Westfield

STATE COLLEGE

2001-2002 BULLETIN

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WESTFIELD STATE COLLEGE ACADEMIC CALENDARS

2001-2002 ACADEMIC YEAR

FALL 2001

September 3	Labor Day - No classes
September 4	First day of classes
September 6	College Meeting 3:30 PM
September 20	Senior Convocation Dinner
October 8	Columbus Day - No classes
October 24	End of first quarter
October 25	Start of second quarter
November 12	Veteran's Day Observed - No classes
November 21	Thanksgiving Recess (Begins at 12:20 PM)
November 26	Classes resume
December 16	Classes end - Day Division
December 17	Reading Day
December 18,19,20,21	Examination period
December 27	All grades due by Noon

SPRING 2002

January 17	College Meeting Day
January 21	Martin Luther King Day
January 22	First Day of Classes
February 18	President's Day - No classes
March 8	End of third quarter
March 11-15	Spring Break
March 18	Classes resume Start of fourth quarter
April 15	Patriot's Day - No classes
May 8	Classes end - Day Division
May 9,10,13,14	Examination period
May 15	Senior grades due by 2:00 PM
May 16	Senior Day
May 18	Commencement
May 20	All other grades due by Noon

SUMMER 2002

Summer Session I

May 20	Classes Begin
May 27	Memorial Day - No classes
July 1	Classes End
July 8	Grades Due

Summer Session II

July 8	Classes Begin
August 15	Classes End
August 22	Grades Due

2002-2003 ACADEMIC YEAR *

FALL 2002

September 2	Labor Day - No classes
September 3	First day of classes
September 5	College Meeting 3:30 PM
September 19	Senior Convocation Dinner
October 14	Columbus Day - No classes
October 15	Follow Monday Schedule
October 22	End of first quarter
October 23	Start of second quarter
November 11	Veteran's Day - No classes
November 27	Thanksgiving Recess (Begins at 12:20 PM)
December 2	Classes resume
December 16	Classes end - Day Division
December 17,18,19,20	Examination period
December 30	All grades due by Noon

SPRING 2003

January 16	College Meeting Day
January 20	Martin Luther King Day
January 21	First Day of Classes
February 17	President's Day - No classes
February 18	Follow Monday schedule
March 7	End of third quarter
March 10-14	Spring Break
March 17	Classes resume Start of fourth quarter
April 14 *	Patriot's Day - No classes
May 7	Classes end - Day Division
May 8,9,12,13	Examination period
May 14	Senior grades due by 2:00 PM
May 16	Senior Day
May 17	Commencement
May 20	All other grades due by Noon

* Official Date for Observing Patriot's Day not Established at Press Time.

SUMMER 2003 *

Summer Session I

May 19	Classes Begin
May 26	Memorial Day - No classes
June 30	Classes End
July 7	Grades Due

Summer Session II

July 7	Classes Begin
August 15	Classes End
August 22	Grades Due

* Calendar for 2002-2003 is Tentative

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The rules, regulations, policies, fees and other charges, courses of study, and academic requirements that appear in this catalogue were in effect at the time of its publication. Like everything else in this catalogue, they are published for informational purposes only, and they do not constitute a contract between the College and any student, applicant for admission or other person.

Whether noted elsewhere in this catalogue or not, the College reserves the right to change, eliminate, and add to any existing (and to introduce additional) rules, regulations, policies, fees and other charges courses of study and academic requirements. Whenever it does so, the College will give as much advance notice as it considers feasible or appropriate, but it reserves the right in all cases to do so without notice.

COLLEGE MISSION STATEMENT

Emphasizing teaching, student advising, and student involvement in the life of the college and the community, Westfield State College's primary mission is to assist its students to develop intellectually and to use their knowledge and skills to improve the social and economic conditions in their communities. The college seeks to instill among members of its community a sense of social responsibility and citizenship.

The college emphasizes the importance of collaborative education, distinguished and strengthened by a general education program which links the arts and sciences with professional studies and by opportunities for experiential and community-based learning. General education courses are developed to respond to stated knowledge and skill objectives and students examine significant academic and social issues through upper-level integrative courses and courses stressing national and global diversity. Community-based learning and other capstone experiences provide significant opportunities to enrich students' understanding of academic principles and concepts, illuminate differences between theory and practice, inculcate habits of mind and work conducive to success, and instill respect for others. Westfield's residential program, the largest of the state college segment, complements the academic program.

The college, from its beginnings, prepared students to serve their communities as teachers, and teacher education remains a central part of the college's programs and a model for engagement with the community that characterizes many of the college's other academic programs as well. Strong professional involvement of its faculty within their disciplines and community support scholarship and learning. Building upon a strong base of graduate programs, Westfield State College intends to strengthen and expand its graduate offerings. The college occupies a leadership position in offering post-baccalaureate and professional development programs for educators and will utilize new technologies to improve upon and expand our delivery of these programs. Collaborative relationships with other colleges and universities will also make possible the efficient development of new programs in other areas marked by strong undergraduate programs. Technology will continue to be an important priority in the college's future, enhancing the educational experience and creating new opportunities for collaboration with other colleges and universities as well as with local school systems and businesses.

Each of the state system's institutions place a special emphasis on teaching, lifelong learning, and a campus life that fosters intellectual, social and ethical development. The state colleges are committed to excellence in instruction, affordable costs, and to providing responsive, innovative and educational programs of high quality. This is accomplished by developing each student's critical thinking skills, oral and written communication, and a practical appreciation of the arts, sciences, and humanities as they affect good citizenship and an improved quality of life.

The state colleges offer a campus climate that respects the ideas, values, perspectives and contributions of a culturally diverse community. They provide both academic and personal support services to assure that all students have a realistic opportunity to achieve academic and career success. They serve as a leader and resource for the community, identifying opportunities and solutions to community problems, and contributing to the region's cultural, environmental, and economic development.

The state colleges support the public system through their commitment to joint admissions programs, by managing their resources in an efficient and responsible manner, by maintaining high admission standards and career replacement rates, by preventing unnecessary duplication of academic programs, by expanding collaborative efforts with K-12 and other baccalaureate institutions, by providing high quality teacher education programs, and by developing for each college, beyond its core programs, a distinctive academic focus based upon established strengths and regional and state needs.

ACCREDITATION

Westfield State College is accredited by the New England Association of Schools and Colleges. The teacher education programs are accredited by the State Department of Education, Bureau of Teacher Certification. The Athletic Training Program is accredited by the Commission on Accreditation of Allied Health Education Professionals. The Social Work program has been granted candidacy by the Council of Social Work Education.

UNDERGRADUATE PROGRAMS

Students wishing to earn a baccalaureate degree may matriculate in undergraduate degree programs through the Day Division or the Division of Graduate and Continuing Education.

The Day Division program is directed toward the full-time undergraduate student, and offers the full range of activities that are typically associated with an undergraduate institution, including opportunities to participate in intercollegiate athletics, student government, literary and performing groups, to name but a few. The undergraduate population is diverse, ranging from recent high school graduates to older adults. The Division of Graduate and Continuing Education offers a program geared to the needs of the part-time student, with an appropriate complement of academic support services available. Classes for Continuing Education students are generally offered at night, although students may take day classes on a space available basis.

With very few exceptions, students may enroll in any of the College's undergraduate programs through either division. Academic standards and policies are the same in both divisions, although the methods of implementing specific policies may vary because of the different patterns the undergraduate career may take for full and part-time students. Such differences are noted in the Bulletin where applicable.

For Day Division students, student records are housed in the Student Administrative Services Center, and all transactions related to student records and academic programs are executed through that office. The Office of Graduate and Continuing Education provides comparable service for Continuing Education students.

ADMISSION

FRESHMAN ADMISSION DAY DIVISION

The Admission staff at the Student Administrative Services Center reviews the applications of students who wish to matriculate in the undergraduate day division and pursue at least 12 credits of course work per semester. A student applying for full time Day admission as a freshman directly from high school must supply the following information:

- The Application Form and Fee
- College Board Scholastic Assessment Test Scores (SAT-I)
- An official high school transcript, beginning with grade 9 and including grades from the first marking period of the senior year, or acceptable evidence of equivalent preparation
- Official transcripts of any college work attempted
- Freshman applicants participating in a dual enrollment program as part of their high school experience also must submit a complete listing of college courses attempted. A final official transcript of the dual enrollment experience must be submitted immediately upon its completion.

The College has a selective admission policy. In accordance with the guidelines established by the Massachusetts Board of Higher Education and with the approval of the College Board of Trustees, Westfield State College has reserved the right to set higher minimum standards than those published by the Board of Higher Education for the State Colleges. In addition, freshman applicants must complete the following 16 college preparatory units:

4 units/years of English
3 units/years of Math (Algebra I and II; Geometry)
2 units/years of Social Sciences (including 1 unit of U.S. History)
3 units/years of Science, including 2 units with laboratory work
2 units/years of the same foreign language
2 units/years of electives (taken from the above list and/or the performing arts and Computer Science)

The State Board of Higher Education has established 3.0 (on a 4.0 scale) as the minimum standard for admission to State four-year colleges. Applicants with an average between 2.0 and 3.0 in their academic units will be considered, contingent upon their SAT-I scores and other application materials. Specific majors may require additional specific units for admission. Some majors also may require a performance test as part of the admission process.

Exemptions from these guidelines and the 16 units may be granted for applicants who qualify under specific guidelines determined by the Board of Higher Education. Contact the Student Administrative Services Center for further information.

Applicants who meet the minimum eligibility requirements are not guaranteed admission to the College. The successful applicant has achieved a solid academic record while maintaining a challenging academic program and will have demonstrated a willingness to contribute to the life of the community. The filing deadline for fall admission is March 1, and the spring filing date is November 15. Admission decisions are made on an individual basis by the Admission Staff beginning December 1 for both the fall and spring semesters, after all required credentials have been received.

FRESHMAN ADMISSION GRADUATE AND CONTINUING EDUCATION

All students applying for admission to an undergraduate degree program must supply the following:

- The Continuing Education undergraduate application
- A $30.00 application fee
- A high school transcript or proof of completion of the General Education Diploma (GED)

Recent high school graduates (students who have been out of high school less than three years and have fewer than 24 college credits from an accredited institution) are subject to an Eligibility Index, established by the Commonwealth, based on class rank and SAT scores, and must complete the following 16 college preparatory units:

4 units/years of English
3 units/years of Math (Algebra I and II; Geometry)
2 units/years of Social Sciences (including 1 unit of U.S. History)
3 units/years of Science, including 2 units with laboratory work
2 units/years of the same foreign language
2 units/years of electives (taken from the above list and/or the performing arts and Computer Science)

The State Board of Higher Education has established 2.9 (on a 4.0 scale) as the minimum standard for admission to State four-year colleges. Applicants with an average between 2.0 and 2.9 in their academic units will be considered, contingent upon their SAT-I scores and other application materials. Under special circumstances, applicants may request an exemption from the Eligibility Index and the 16 units. Such an exemption may be granted for applicants who qualify under specific guidelines established by the Commonwealth.

For students who have never attended college and have been out of high school for three or more years, exemption from the unit requirements and Eligibility Index established by the Commonwealth may be granted. SAT scores should be submitted, if available. Westfield State College's College Board code number is 3523. Admission decisions are made on an individual basis upon review of all required materials.

ADMISSION PROFILE

Class of 2004 entering WSC Day Division September 2000

SAT-I range	Verbal Score	Math Score
200-299	0.0%	0.0%
300-399	0.5%	1.5%
400-499	36.5%	36.0%
500-599	50.5%	51.0%
600-699	12.0%	11.0%
700-800	0.5%	0.5%

Mean Grade Point Average: 2.97 (3.0=B) on 4.0 scale
Mean SAT-I Scores: Verbal: 520 Math: 520

Summary:
3711 freshman applications were received
2316 applicants were accepted
1028 accepted students enrolled

TRANSFER ADMISSION

Students who have attempted to complete any transferable course work at a regionally accredited college beyond high school graduation are considered transfer applicants. Transfer applicants who will have attempted and completed successfully less than 24 transferable credit hours (36 quarter hours) by their planned entrance date must submit:

- The Application Form and Fee
- Official, original transcripts from all colleges attended
- A list of college course titles in progress at the time of application
- An official high school transcript and SAT-I scores

Transfer applicants who will have attempted and completed successfully 24 transferable credit hours or more by their planned entrance date are required to submit the same credentials as other transfer applicants EXCEPT the SAT-I. Also, students who will have earned an Associates's degree from a Massachusetts Community College by their planned entrance date are exempted from submitting the high school transcript.

Failure to submit complete, official copies of ALL previous academic credentials constitutes academic misrepresentation and will cause an offer of admission to be revoked.

A minimum cumulative grade point average of between 2.00 and 2.8 (on a 4.0 scale), exclusive of developmental or other nontransferable course work, is required for transfer admission consideration, depending upon choice of major. Qualified Massachusetts community college graduates, particularly those who have fulfilled the Commonwealth Transfer Compact or are enrolled in the Massachusetts Joint Admissions Program, are given priority for admission into all major programs of study.

A student must complete successfully a minimum of one year as a full-time student (30 credits) and all remaining requirements for the major field of study to receive a baccalaureate degree from Westfield. All undergraduate non-matriculated students taking courses through the Division of Graduate and Continuing Education who wish to pursue a degree must matriculate (be accepted into a degree program) prior to the completion of the last 30 credits needed for graduation. In addition, some major programs of study require the completion of a minimum number of credits at Westfield State College.

Day Division admission is competitive and not guaranteed to all applicants who meet minimum eligibility standards. Transfer admission decisions are made on an individual basis beginning March 1 for the fall semester and December 1 for the spring semester after all required credentials have been received. The number of transferees accepted will be determined by existing vacancies in each degree program and the number of applicants deemed eligible according to transfer admission standards determined by the Massachusetts Board of Higher Education and Westfield State College. Admission decisions of the Division of Graduate and Continuing Education are made on a rolling basis and take into account the special experiences of non-traditional students.

Once admitted to Westfield State College, the transfer student assumes a new cumulative average that is subject to academic policies established by the College.

A student transferring from a two-year institution is entitled to transfer for credit toward the bachelor's degree no more than two years (or 67 credits) of credit, which constitute the requirement of the associate degree program taken as a unit. A student transferring from a four-year institution is entitled to transfer up to 90 credits toward the Bachelor's Degree.

Transfer credits are accepted from regionally accredited colleges only, in academic disciplines that are compatible with the Westfield State College curriculum. The minimum transferable grade for these courses is C-. Credits earned more than 10 years prior to a candidate's planned entrance date are evaluated on a course-by-course basis, and applicants generally are granted up to a total of 40 credits, which comprises one-third of the bachelor's degree credit requirements. The minimum transferable grade for these courses is C.

INTERNAL TRANSFER

Enrolled full-time day students who wish to change their matriculation status to part-time or evening enrollment may do so without formally applying to the Division of Graduate and Continuing Education. Requests to transfer academic records from the Student Administrative Services Center to Continuing Education will be processed within specific time periods on a space-available basis.

Similarly, students enrolled in degree programs through the Division of Graduate and Continuing Education and who have completed a minimum of 12 credits successfully who wish to change their status to full-time day students may do so without formally applying to the Day Division. Both divisions use the same standards for the evaluation of courses to be accepted in transfer. For students switching divisions, both the offer of acceptance and the awarding of any transferable credits toward a degree program granted by one division become binding upon the other division.

TRANSFER GRADE POLICY

The minimum acceptable grade will be a C-.

This policy will not apply to courses taken under the 1990 Commonwealth Transfer Compact or the Massachusetts Joint Admission Program.

Courses taken at other institutions after a student's initial enrollment at Westfield State College will be treated as if they had been taken at Westfield.

This policy change was implemented for students entering in Spring 1995.

COMMONWEALTH TRANSFER COMPACT

Requirements for Transfer Compact Status (Section I)

A student shall be eligible for Transfer Compact status if he or she has met the following requirements:

a. Completed an Associate degree with a minimum of 60 credit hours exclusive of developmental course work

b. Achieved a cumulative grade point average of not less than 2.0 (in a 4.0 system) at the community college awarding the degree

c. Completed the following minimum general education core, exclusive of developmental course work:

English Composition/Writing: 6 credit hours
Behavioral and Social Sciences: 9 credit hours
Humanities and Fine Arts: 9 credit hours
Natural or Physical Science: 8 credit hours (including laboratory work)
Mathematics: 3 credit hours

The sending institution is responsible for identifying the transcript of each student who is a candidate for transfer under this compact.

Credits to be Transferred (Section II)

The 35 credits in general education specified in Section I will be applied toward the fulfillment of the receiving institution's general education requirements.
A minimum of 25 additional credits will be accepted as transfer credits by the receiving institution. These credits may be transferred as free electives, toward the receiving institution's additional general education requirements, towards the student's major, or in any combination, as the receiving institution deems appropriate.

Only college-level course credits consistent with the standards set forth in the Undergraduate Experience recommendations are included under this compact. Credits awarded by the sending institution through CLEP, challenge examinations, and other life-experience evaluations for course credit may be included when the community college certifies that a student qualifies under this compact.

Credits Beyond the Associates Degree (Section III)

To complete the baccalaureate degree, a student who transfers under this compact may be required to take no more than 68 additional credits unless:

a. The student changes his or her program upon entering the receiving institution, or

b. The combination of additional general education requirements, if any, and the requirements of the student's major at the receiving institution total more than 68 credits

Under these circumstances, transfer students will be subject to the same requirements as native students. (The term "native student" refers to students who began their undergraduate education at the baccalaureate institution.)

Admission to Competitive Majors or Programs (Section IV)

If, because of space or fiscal limitations, the receiving institution does not admit all qualified applicants to a given major or program, the receiving institution will use the same criteria for applicants who are transfer students under this Compact as it does for its native students.

Transfer Coordinating Committee
(Section V)

A Transfer Coordinating Committee, convened by the former Board of Regents, will monitor use of the Transfer Compact, resolve appeals as they pertain to the provisions in this document, and collect and analyze relevant data.

Publication of Requirements
(Section VI)

Each public college and university shall include in its official undergraduate catalogue the provisions of the Commonwealth Transfer Compact. A transfer student may not be held to any degree requirements at the receiving institution that were established less than three years prior to transfer admissions.

Transfer Records
(Section VII)

The student with Transfer Compact status will be furnished by the receiving institution a list of courses to be fulfilled to earn a bachelors degree no later than the end of the semester the student enrolls. With the agreement of the student, a copy will be provided to the Transfer Officer at the sending community college.

Transfer Officer
(Section VIII)

The President or Chancellor of each public institution of higher education will identify an individual who serves as that institution's Transfer Officer. The Transfer Officer's responsibility will be to assist students with transfer activities.

Student Appeals
(Section IX)

A student who believes that the provisions of this Compact have not been applied fairly to his/her transfer application has the right to appeal.

Initially, differences of interpretation regarding the award of transfer credit shall be resolved between the student and the institution to which he/she is transferring. If the difference remains unresolved, the student shall present his/her evaluation of the situation to the institution from which the student is transferring. Representatives from the two institutions shall then have the opportunity to resolve the differences.

In the absence of a satisfactory resolution, differences on interpretation may be presented to the Transfer Coordinating Committee.

Effective Date
(Section X)

The effective date of this compact is January 1990 for students entering public two year colleges with a January 1992 date for students transferring into public four year colleges.

JOINT ADMISSIONS PROGRAM

In the Fall of 1997, the Massachusetts state colleges and community colleges implemented a system-wide Joint Admissions Program. Students enrolled in the community college system in designated transfer programs may indicate their intention to participate in the Joint Admissions Program in writing at the community college beginning the date they enroll.

Participating students must declare their intention to enroll at Westfield State College by filing the Intent to Enroll Form in lieu of an admission application one semester prior to their planned enrollment date. The Intent to Enroll Form is available to qualified joint admissions students from the Westfield State College Student Administrative Services Center and will also be available at the community college transfer office. The filing date for fall semester Joint Admission applications is April 15, and the filing date for spring admission is October 15.

In order to satisfy terms of the Joint Admission Program, participating students must earn a minimum 2.5 cumulative average (on a 4.0 scale) and an associate's degree in a designated and related program of study. Students who earn a cumulative average between 2.00 and 2.49 as calculated by Westfield State College also will be considered for the Joint Admission Program in most academic programs (education certification programs are excluded). Among these students, however, those seeking enrollment in the Criminal Justice major must earn a cumulative average between 2.30 and 2.49 as calculated by Westfield State College.

INTERNATIONAL STUDENT ADMISSION

Any international student seeking admission to the College must fulfill the requirements established for freshmen or transfer students, as well as submit official translations of all credentials not written in English and a notarized Certification of Finances form. The Test of English as a Foreign Language (TOEFL) also is required of each applicant whose native language is not English. Information on this requirement can be obtained from the Educational Testing Service. All applications for admission to the Day Division for fall semester only from foreign students must be received by February 1 for entrance the following September. Foreign students applying to the Division of Graduate and Continuing Education may apply throughout the year.

READMISSION
DAY DIVISION

Students who leave Westfield State College because of academic failure are readmitted through the Registrar and Student Administrative Services Center. In order to return, students must take enough courses at another accredited college to raise their cumulative quality point average to the level required for the number of credits they have attempted (see Academic Standing).

Students who withdraw from the college in good academic, financial, and disciplinary standing may be readmitted through the Student Administrative Services Center, provided that their absence has been no longer than one year. Students absent longer than one year but not longer than five years may be eligible for readmission through the Student Administrative Services Center, depending upon their major and the availability of space. Any student denied readmission through the Student Administrative Services Center may apply for readmission through the Office of Admission.

Students who have been withdrawn or dismissed by the college for disciplinary, financial, or other non-academic reasons may not reenter until the conditions established at the time of withdrawal have been met.

Students who are seeking readmission should inform the appropriate office as early as possible prior to their return in order to facilitate course placement.

READMISSION
CONTINUING EDUCATION

Students withdrawing from the Division of Graduate and Continuing Education in good academic, financial and disciplinary standing may be readmitted through the Continuing Education Office, provided that the absence has been no longer than five years. Students absent longer than five years or inactive in their program must reapply.

GRADUATION RATES

Under Student Right-To-Know regulations, the federal government requires all institutions of higher education to report annually the six-year graduation rate for the cohort of students entering college as first-time freshmen six years prior to the report year, as well as the average six-year graduation rate for the last three years. For this reporting year, the cohort comprises students entering in the Fall of 1994, and Westfield's reported six-year completion rate is 47.4%. Our three-year average for students entering 1992-1994 is 52.13%.

For Westfield's last five classes, students entering Fall 1992 to Fall 1996 and graduating Spring 1996 to Spring 2000, the average four-year completion rate has been 40.8%. For students entering Fall 1991 to Fall 1995, our average five-year completion rate is 53%. Our six-year rate, for students entering Fall 1990 to Fall 1994 and graduating Spring 1996 to Spring 2000, has been 54.2%. Westfield State College is pleased that its graduation rates exceed national norms for comparable institutions.

FINANCIAL AID

Financial Aid services are administered through the Student Administrative Services Center. The primary philosophy governing the distribution of financial aid is to insure that all students have equal access to the financial resources needed to pursue their educational goals. Westfield State College participates in a wide variety of federal, state, institutional and private programs. Assistance can be in the form of gift aid (grants and scholarships) and self-help programs (loans and work study). The Student Administrative Services staff is available to assist students throughout the financial aid process.

For additional information, call (413) 572-5218. From areas in Massachusetts outside the Westfield local calling area, call 1-800-322-8401.

POLICIES AND CRITERIA

The policies and criteria for awarding financial aid are as follows:

1. The philosophy of financial aid is that the family has the responsibility to meet as much of the educational costs of their children as is reasonably possible. Financial Aid is a supplement to the family resources.
2. The Free Application for Federal Student Aid (FAFSA) must be completed and mailed to the Federal Student Aid Processing Center before **March 1st** to receive priority consideration. FAFSAs submitted after the deadline will be considered on a funds available basis. The FAFSA can be obtained from the Student Administrative Services Center at Westfield State College or from a high school guidance office.
3. In addition to the FAFSA, students may be required to submit appropriate parent and student income verification to the Student Administrative Services Center.
4. Financial aid awards are not renewed automatically. Students must reapply each year.

SATISFACTORY ACADEMIC PROGRESS AND FINANCIAL AID

Full-time students must be enrolled for at least 12 credits each semester. This determination is made by the Registrar at the end of the ADD/DROP period each semester. Financial Aid awards are adjusted proportionately by credits carried for those in part-time attendance through the Division of Graduate and Continuing Education.

Students must make satisfactory academic progress toward an undergraduate degree by successfully completing **at least** 24 graduations credits each academic year (only 12 credits if enrolled for one semester during that academic year). The maximum time frame to complete an undergraduate degree cannot exceed 150% of the published length of the program. For instance, if the published length of an academic program is 120 credit hours, the maximum time frame in which to complete the program could not exceed 180 attempted credit hours (120*1.5). These standards are adjusted proportionately for those students in part-time attendance through the Division of Graduate and Continuing Education. Credits are awarded for a course grade of D or better. Day students who fail to meet this requirement at the end of the Spring semester will be notified by the Registrar through the Student Administrative Services Center and will be ineligible for financial aid for the next academic year. However, students who are deficient in credits may use the summer following the academic year to earn additional credits to meet the satisfactory progress standard.

Appeals regarding satisfactory academic progress and financial aid eligibility may be submitted in writing to the Dean of Undergraduate Studies for Day Division students, and to the Dean of Graduate and Continuing Education for students in that division. Financial Aid for approved appeals will be awarded as funding allows.

FEDERAL PROGRAMS

Westfield State College participates in several federal programs: Federal Pell Grant, Federal Supplemental Educational Opportunity Grant (SEOG), Federal Perkins Loan, Federal Work Study (FWS), Federal Stafford Loans (subsidized and unsubsidized), and Federal Parent Loans (PLUS).

STATE PROGRAMS

Westfield State College participates in the following state programs: Mass Grant Program, Westfield State College Grant, Mass College Grant, Financial Aid Tuition Waiver, and the No Interest Loan Program.

PRIVATE AND INSTITUTIONAL PROGRAMS

Westfield State College offers a variety of scholarships annually which are credited toward college expenses. These local scholarships are based on academic merit and community service.

COST OF ATTENDING WESTFIELD STATE COLLEGE AS A FULL-TIME DAY DIVISION STUDENT *

	FALL 2001 SEMESTER	SPRING 2002 SEMESTER	TOTAL YEAR
TUITION:			
Tuition for Massachusetts Residents**	$ 485.00	485.00	970.00
Tuition under proximity clause of New England Regional Program	$ 727.50	727.50	1455.00
Tuition for Non-Resident and Foreign Students	$ 3525.00	3525.00	7050.00
ROOM:			
Courtney	$ 1591.50	1591.50	3183.00
Apartments	$ 1592.00	1592.00	3184.00
Other Residence Halls	$ 1371.00	1371.00	2742.00
Single Room Charge	$ 300.00	300.00	600.00
BOARD:			
19-Meal Plan (includes $100.00 flex dollars)	$ 913.00	913.00	1826.00
14-Meal Plan (includes $100.00 flex dollars)	$ 897.00	897.00	1794.00
10-Meal Plan (includes $100.00 flex dollars)	$ 881.00	881.00	1762.00
Additional Flex Dollars are available in increments of $50.00 At a cost of $43.50 for every $50.00 in value	$ 43.50	43.50	87.00
FEES:			
Student Activity Fee (All students)	$ 35.50	35.50	71.00
General Fee	$ 877.50	877.50	1755.00
Technology Fee	$ 80.00	80.00	160.00
Total Annual Fees			1986.00

OTHER FEES:	
Student Teaching (Practicum semester)	$ 100.00
Late Payment Fee	$ 50.00
Late Registration Fee	$ 25.00
Bad Check Fee	$ 25.00
Reinstatement Fee	$ 50.00
Parking Decal	$ 50.00-$ 60.00
WAIVABLE FEES:	
Student Health Insurance	$ 575.00 Fall and Spring
	$ 385.00 Spring Semester Only
MASS PIRG	$ 7.00 per semester
Wellness Center	$ 20.00 per semester
Hall Activity Funds	$ 20.00 per year
DEPOSITS (non-refundable):	
Tuition Deposit	$ 50.00
Residence Hall Reservation Deposit (Returning Student)	$ 150.00
Residence Hall Reservation Deposit (New Student)	$ 50.00

* The schedule of fees and tuition, methods of payment and refund policies are valid at the time of publication of the BULLETIN and subject to change as required without advance notice.

** Tuition is free for persons 60 years of age and over. Admission granted on a space-available basis. Tuition-free students are responsible for paying all fees.

COST OF ATTENDING WESTFIELD STATE COLLEGE AS A CONTINUING EDUCATION DIVISION STUDENT *

TUITION	
Massachusetts Resident **	$ 145.00 per credit
Non-resident	$ 155.00 per credit
Audit	$ 100.00 per credit
FEES	
Registration Fee	$ 65.00 per semester
Technology Fee	$ 25.00 per semester
Capital Planning Fee	$ 35.00 per semester
Mandatory Health Insurance Fee (9 or more credits)	$ 500.00 (waivable if student has comparable coverage on another policy)
Commencement Fee	$ 75.00 (assessed during semester of graduation)
Bad Check Fee	$ 25.00 per check
Late Withdrawal Fee	$ 25.00
Student Teaching Fee	$ 100.00
Student ID Card	$ 5.00
Replacement ID Card	$ 10.00
Practicum Fee	$ 100.00
Parking Fee (annual sticker)	$ 25.00 Fall registration
	$ 12.50 Spring registration
	$ 12.50 Summer registration
	$ 50.00 - $ 60.00 Cross-registered students (Day classes)
Service Charge for past due balances	$ 10.00 (charged each month an account is past due)

* The schedule of fees and tuition, methods of payment and refund policies are valid at the time of publication of the BULLETIN and subject to change as required without advance notice.

** Tuition is free for persons 60 years of age and over. Admission granted on a space-available basis. Tuition-free students are responsible for paying all fees.

TUITION SURCHARGE POLICY

The Board of Higher Education has adopted a tuition surcharge to assess the full cost of education for continuously enrolled native students who accumulate an excessive number of credits effective fall 1999. Excessive credit hours is defined as 118% of academic degree program credit hour requirements. Any student who is enrolled in over 141 accumulated credit hours will be assessed $235.00 for each credit hour over 141. Appeals may be submitted to Dr. Robert Martin, Dean of Undergraduate Studies.

WITHDRAWAL REFUND POLICY

Commitments to faculty, staff and other costs of operation are made by the College in advance of the school year. They are based on anticipated student enrollment and residence hall occupancy and are not subject to change.

To be eligible for a refund, a student must formally withdraw from the College (see Procedure for Withdrawing from College). At this point, the date of withdrawal for refund purposes is determined. This date will be used by the Bursar to determine the amount of refund for tuition, mandatory fees, room and board. Withdrawal forms may be obtained in the Student Administrative Services Center for Day Division students, or the Graduate and Continuing Education Office for Continuing Education students.

A student who leaves the College without "officially" notifying the Student Administrative Services Center (Day students) or the Division of Graduate and Continuing Education Office (Continuing Education students) in person or in writing forfeits all rights to a refund (within Title IV regulations).

When a student withdraws before 60% of the semester has been completed, the College is required under federal statute, to refund federal and/or state financial aid funds on a pro-rated basis. The calculation is based on the amount of time the student was enrolled in the semester. For example, a student who completes only 23% of the semester will keep only 23% of his/her federal and/or state funds. The remaining 77% will be returned to the appropriate source. Funds are returned to the federal and/or state source as follows: Stafford Loans, Perkins Loans, Plus Loans. Once loans are satisfied, remaining unearned funds are distributed to Pell Grant, then to SEOG and then to other Title IV funds requiring a refund.

Due to the extremely heavy clerical demands during registration and the beginning of a semester, refunds should not be expected until at least four weeks after the start of a semester.

INSTITUTIONAL REFUND POLICIES
TUITION, MANDATORY FEES, ROOM, BOARD

Day Division
Refund Policy schedule for tuition, mandatory fees, room and board:

Withdrawals prior to the first day of classes	100%
Withdrawals during the first two weeks of classes	80%
Withdrawals during the third week of classes	60%
Withdrawals during the fourth week of classes	40%
Withdrawals during the fifth week of classes	20%
Withdrawals after the fifth week of classes	No Refund

Graduate and Continuing Education

Prior to the first class meeting:	100%
Prior to the second class meeting:	90%
Prior to the third class meeting:	50%
After third class meeting:	No Refund

This policy is in accordance with the 1998 Financial Aid Reauthorization Act. It will be reviewed annually by the Chief Financial Officer and the Board of Trustees. This policy is also subject to change without prior written notification.

REFUNDS OF OTHER FEES

There will be no refunds on the following after classes begin: Parking Permit Fee, Student Teaching Fee, Late Registration Fee, Late Payment Fee, Bad Check Fee, Student Insurance Fee, MASS PIRG, Hall Activity Funds, and Wellness Center Fee. There are no refunds on tuition and room reservation deposits.

PAYMENT OF BILLS
DAY DIVISION

The College expects that all bills will be satisfied by the due date as stated on the bill. Generally, bills can be satisfied in one of the following three ways:

1. A student may pay his/her bill in full;
2. A student has financial aid, scholarships, waivers, etc., which, with payment, will cover the bill;
3. A student or parents may have a contract with the College payment plan and such contract will satisfy the bill.

Bills not satisfied by the due date will be assessed a late payment fee of $50.00.

Failure to meet these requirements will result in administrative withdrawal from the College. Students will lose all rights and privileges as students at Westfield State College and will not be allowed reinstatement until the bill is satisfied in full and upon payment of a $50.00 reinstatement fee.

PAYMENT OF BILLS
CONTINUING EDUCATION

Continuing Education students are expected to pay their bills at the time that they register, unless an alternate payment plan has been agreed on at that time. Pre-registration bills must be paid by the semester billing date published in the term catalogue. A service charge of $10.00 per month will apply to past due balances, charged each month an account is past due.

POLICY REGARDING OUTSTANDING DEBTS

It is the policy of the Board of Trustees that students who are listed by the Bursar's Office or the Division of Graduate and Continuing Education of Westfield State College as having unpaid debts for tuition, room, board, medical, or other college related charges where said debts have not been discharged by operation of law or where deferred payment of said debts has not been agreed to by said college, the student will not (1) be issued a diploma to which said student might otherwise be entitled; (2) be permitted to register for any program at any state college for which said student might otherwise be eligible; (3) be furnished a certified copy of any state college transcript (unless said transcript is needed to obtain benefits in the United States Armed Forces) although said student will be entitled, upon written request, to inspect and review uncertified copies of transcripts; or (4) receive grade reports.

STUDENT AFFAIRS

The Division of Student Affairs is comprised of various departments including Residential Life, Campus Center, Health Services, Student Conduct, Career Services, Public Safety, Counseling Center and Athletics. Other programs include New Student Orientation, Veterans Affairs, Commuter Services, student I. D. cards and records, and general student services.

The Division seeks to strengthen the educational process found outside the classroom setting and assist students in developing individual potential and leadership skills.

Each year the Division of Student Affairs publishes a student handbook containing policies and regulations. Students are advised to obtain a copy of this handbook and to review the contents. The Vice President for Student Affairs is located in the Ely Campus Center, Room 236.

Many of the student services provided by the Division of Student Affairs are available to Continuing Education Division students. A complete list of services available to students in the Continuing Education Division may be found in the Student Handbook of the Division of Graduate and Continuing Education, available in the Continuing Education Office, at 333 Western Avenue.

RESIDENTIAL LIFE

Westfield State College is committed to making our Residential Life Program an important component of a student's overall educational experience. A variety of secure, well-maintained facilities and living arrangements are available, with each hall staffed by a full-time professional residence director, student resident assistants, housekeeping and security personnel, and served by an elected Hall Council.

A dining plan is mandatory for all resident students except those in the College apartments. Three plans are available: a 19-meal plan, a 14-meal plan, and a 10-meal plan. Students may elect any of these plans. Commuting students may also purchase a dining plan if they wish. Declining meal, or debit point plans, are also available as added options. Three on-campus snack bars also offer dining services on an a la carte basis.

COMMUTER SERVICES

The Office of Commuter Affairs exists to help commuting students be active members of the College community. The Office is responsible for providing information to commuters via the commuter information boards located in the Wilson and Bates walkways and the Ely Campus Center. The office, in conjunction with the Commuter Council, also plans social activities for commuting students. Commuting students have access to the same programs and services as other students, including: Athletics, Campus Center, Career Services, Health Services, Public Safety, Student Conduct, Student Affairs and Counseling Services.

The Commuter Council, a student organization funded through the Student Government Association, seeks to provide ongoing representation for commuters at the College. Continually seeking ways to improve the quality of life for students who commute, the Commuter Council provides a forum for discussing issues that affect commuting students and other members of the College community.

The office of Commuter Affairs is located in Ely 146, 572-5403.

NEW STUDENT AND PARENT ORIENTATION

The Westfield State College New Student and Parent Orientation program is housed within Residential Life. The program includes summer orientation sessions for all freshmen, transfer students and parents in late June. A mid-year program is held in January as well. An overview of the program can be found connected to the College web page under "New Student Orientation" in the Administrative Departments listing. For additional information contact Kathi Bradford, Coordinator, at (413) 572-5619.

STUDENT CONDUCT

In the interest of maintaining order on the campus and guaranteeing the broadest range of freedom to each member of the community, some regulations have been developed by students, faculty, and staff acting in concert. These regulations reasonably limit some activities and also proscribe certain behaviors which are harmful to the orderly operations of the College and the pursuit of its legitimate goals. Violations of these regulations will be handled by the College student conduct procedure, which is established to resolve complaints of nonacademic student misconduct. The student conduct procedure is designed to protect due process rights and reach decisions that are in the best interest of both the student and the College. Students charged with misconduct are afforded the right to a written notice of charges, the right to a fair and impartial hearing, and the right of appeal.

The full text of student conduct regulations and student conduct procedures may be found in the Westfield State College Student Handbook available through the Office of Student Affairs.

VETERANS AFFAIRS

The Veterans' Affairs Office provides an explanation of all benefits, a follow-up on claims with the Veterans Administration, a guidance and advising service for all student veterans, and makes available several work-study grants for eligible veterans.

The Veterans' Affairs Office at Westfield State College, located in the Ely Campus Center Room 146, 572-5446, is part of the Division of Student Affairs.

HEALTH SERVICES

The Health Services Department is available to all full-time undergraduate students regardless of personal health insurance. Serious emergencies are transported to Noble Hospital by ambulance or Public Safety. The department is staffed by registered nurses, and the college physician works part time when classes are in session. Health Services exists to meet the immediate health needs of students and provides follow-up treatment and educational services during the academic year. Allergy immunotherapy and gynecological services are referred off campus. The department will provide information about the College Health Insurance to student subscribers. All medical information is confidential and cannot be released without written permission from the student. Medical information can be released by Court order, but the Registrar attempts to notify the student of a Court request.

The Health Services Department also monitors compliance with State regulations regarding the submission of medical history and evidence of immunization forms. (See reference in Non-Academic Policies section of Bulletin).

THE COUNSELING CENTER

The Counseling Services Center helps students make the most of their education through the facilitation of psychological skill development and personal growth. The Counseling Center is concerned with the education of the "whole student," and thererfore promotes the integration of learning and living. Besides working to reduce or eliminate problems that interfere with learning, counselors attempt to use the problems students bring to counseling to enhance their problem-solving skills and utilization of personal resources. The Center offers short-term individual and couples counseling. Group counseling related to specific topics is offered on a semester by semester basis. A student's relationship with the Counseling Center is confidential unless that student provides a written consent for release of information. As well, confidentiality may be set aside in cases of life or death emergencies, or by court order.

Another important function of psychological counseling is referral. If someone else on campus or in the community can help a student with his/her concerns, counselors will help the student connect with that person or office.

For additional information, please contact the Counseling Center office located in the Lammers Hall Annex, 572-5790.

CAMPUS CENTER AND STUDENT ACTIVITIES

The Campus Center is not just a building; it's also a College department that manages the Student Union and Wellness Center. Located in the Ely building, the Campus Center produces and/or supports an average of 200 campus activities a month during the school year, offering a wide range of opportunities for student leadership and participation in the life of the college outside the classroom.

The Student Union, most often referred to as the Campus Center, is housed on the main, second, and lower levels of the Ely building. Facilities and services include: amusement devices; automated teller machine (Fleet Bank cash dispenser); bookstore (Follett, Inc.); box office sales and ticket information; cable television; campus activities; campus activities calendar; campus activities hot-line (413/572-5840); classrooms & meeting rooms; college ID card sales and validation; convenience store (Sodexho Marriott); dining and lounge areas; event planning services; faculty and staff offices (see Directory); fax services; food and beverages; guest parking passes; lab theater; lounges and meeting rooms; outdoor patio (barbecue grills and seating); outdoor recreation equipment reservations; outdoor ropes reservations (scheduling and information); public telephones; rest rooms; stamps/postal products; student activity programming support; student information and/or referrals; student newspaper, The Campus Voice; student organization offices (see Directory); student radio station, 89.5FM, WSKB; van rental (scheduling and information); and vendor exhibits and sales. For additional information about the Campus Center, go to the Campus Center web site: http://www1.wsc.mass.edu/dept/camcen/ or email the the Campus Center director at dhendery@wisdom.wsc.ma.edu.

The Wellness Center is housed on the lower level of the Ely building. All Westfield State College students qualify for membership. Full-time undergraduate student membership costs twenty dollars ($20.00) per semester (a waivable fee on the student bill). Part-time undergraduate and graduate student membership costs thirty-five dollars ($35.00) per semester, payable at the Wellness Center Service Desk. Summer membership costs thirty dollars ($30.00) for students. Registration for summer or fall classes at Westfield is a requirement for summer membership.

Wellness Center facilities include an aerobic exercise/dance room, state-of-the-art cardiovascular equipment, free weights, variable-resistance and strength training machines, locker and shower rooms, a racquetball court, and a swimming pool. Aerobic classes (co-ed) are filled on a first-come, first-served basis. A schedule of weekly aerobic classes is available at the Wellness Center Service Desk. The Wellness Center also offers individualized exercise program assistance including fitness assessments and instruction on the use and safety of all Wellness Center equipment. Educational resources on nutrition, stress management, smoking cessation, substance abuse prevention and fitness are available to Wellness Center members. For more information about the Wellness Center, call the Wellness Center Service Desk at 572-5500 or email to the Wellness Center manager at aszlachetka@wisdom.wsc.ma.edu.

For a part-time job with the Campus Center or the Wellness Center, students are encouraged to complete a Campus Center Application for Student Employment available the Campus Center Main Office, Ely-131 or to call the Campus Center Secretary at 572-5648. Approximately 100 students are hired each semester to satisfy Department needs for student employment. The Wellness Center employs only qualified students who meet certification requirements. All Wellness Center student staff must be certified by the American Red Cross in Community CPR; all aerobic exercise instructors are AFAA or NDEITA certified; and all lifeguards are certified in American Red Cross (or YMCA) Lifeguard Training.

For a Directory of Ely Library/Campus Center building facilities and services, call the Campus Center Main Office at 572-5648 or email ngoodniss@wisdom.wsc.ma.edu.

ATHLETICS

Westfield State College has an extensive, quality program of intercollegiate and intramural athletics for full-time Day Division students. Men's and women's teams compete under the umbrella of the National Collegiate Athletic Association (NCAA). In addition to fielding 17 varsity teams in Division III of the NCAA, Westfield State holds memberships in the Eastern Collegiate Athletic Conference (ECAC), the Massachusetts State College Athletic Conference (MASCAC), and the New England Collegiate Athletic Conference (NECAC). For additional information, please contact the athletics department in the Ely Building.

VARSITY ATHLETICS PHILOSOPHY

The athletics department is committed to promoting athletics as a vital part of the college experience and athletes as integral members of the student body.

The athletics department is committed to initiating, stimulating, and improving intercollegiate athletics by promoting physical fitness and sports participation while developing leadership and encouraging and teaching social responsibility and citizenship.

The athletics department is committed to providing the support necessary for its men and women athletes to achieve high levels of performance on regional and national levels of competition.

Westfield State College supports the philosophy of Division III competition and promotes amateur athletics as defined by NCAA legislation which emphasizes the educational impact the athletics program has upon its participants, rather than satisfying the entertainment needs of the public. The status of any Division III team is independent of gate receipts or other revenues, therefore no team is relegated to the category of a "minor sport." A student's athletic ability is not a factor in determining a financial award package.

As a member in good standing of the NCAA, the athletics department promotes the principles of fair play, equitable treatment of men women and the recruitment of athletes that reflect our multi-cultural society. The athletics department strongly encourages participation by maximizing the number and variety of opportunities for students in varsity, sub varsity, and intramural sports.

The athletics department is committed to providing a safe environment for competition with the health and welfare of our male and female athletes of primary concern.

The athletics department fosters sportsmanship, positive attitudes and ethical conduct, not only by its male and female athletes, but the college's overall student body and professional staff.

The athletics department promotes open communication between athletes, coaches, and administrative staff and supports the tenet that athletic participants are not treated differently from other members of the student body. Athletes are encouraged to participate in all aspects of the college experience.

OFFICE OF CAREER SERVICES

The Office of Career Services is dedicated to helping students and alumni of Westfield State College develop and implement career and graduate school plans. Career planning is a process of individual development which must be nourished during the entire period of a student's involvement with the college. To assist students with this planning process, the Office of Career Services engages in a variety of programs and services including career counseling, on-campus recruitment, career preparation workshops, career fairs, alumni networking, credential file service, and employment matching services.

The Cooperative Education Program offers Junior and Senior students an opportunity to obtain practical experience in their major, reflect upon the cooperative education experience, expand current knowledge of the world of work, and formulate new concepts and strategies for future career-related activities. Students work approximately 8-10 hours per week, attend a bi-weekly seminar to prepare learning goals and outcomes, examine issues related to successful job performance and career advancement, reflect on personal interests, values, and skills, and evaluate current work performance. Students earn a maximum of six credits (three credits per semester) in an experience related to his/her field of study. Contact the Career Services Office for details.

The Washington Center Internship Program provides students with a comprehensive, participatory learning experience in Washington D.C. Students in all majors have the opportunity to experience and explore various career paths while sampling the intellectual and cultural diversity of the nation's capital. The program seeks to enhance students' academic, civic and professional development while promoting future leadership. Placement opportunities are available in the public, private and nonprofit sectors of society. The Massachusetts Financial Assistance Award provides up to $4000 in Financial Assistance and Tuition Waivers to eligible students from Massachusetts. Contact the Career Services Office for more information.

CAREER RELATED SOFTWARE PROGRAMS AND OTHER TOOLS

PinPoint Career Guidance System is an interactive career and educational planning program for students and alumni that provides comprehensive testing to determine the user's personality type, interests, character traits, preferred activities and work contexts, and personal values. PinPoint combines self-assessment with career matching to determine which professional careers best suit an individual's personality. PinPoint guides students through an exploration of six aspects of their personality that are highly significant to career satisfaction. It then brainstorms career possibilities by evaluating the user's personality profile against a database of professional careers, and shows how compatible the user's personality is to each career. The program enables one to make realistic decisions about goals, areas of specialization and the programs of study needed to reach those goals.

Campbell Interest and Skills Survey is available, for a small fee, for interested individuals. This survey of self-reported skills and interests helps students understand how their interests and skills map into the occupational world, thereby helping them make better career choices.

GMAT Powerprep Software, developed for the Graduate Management Admission Council by the Educational Testing Service, provides test-taking suggestions and strategies. The GRE Powerprep Software provides strategies for those preparing for the Graduate Record Examination.
Career Services also maintains a resource library containing a wealth of information on all facets of the world of work and advanced study.

Students and alumni are invited to visit our home page. Also, additional information may be obtained by contacting Career Services, Lammers Hall Annex, (413) 572-5206.

PUBLIC SAFETY

The Department of Public Safety is responsible for the enforcement of the Massachusetts General Laws and for protecting life and property on campus. The Department is charged with the responsibility of protecting the right of all members of the academic community to learn, to teach and to conduct the normal and necessary business of the institution.

Among the services provided by the Department of Public Safety are: the investigation of crimes and motor vehicle accidents on campus, the enforcement of College parking regulations, the operation of shuttle service between the main campus and the south campus parking lot, the operation of a lost and found. In addition, Public Safety provides medical transport to the infirmary or Noble Hospital for students who are injured or ill. Public Safety officers are also available to present programs to educate students on such issues as date rape, crime prevention, suicide prevention, alcohol and drug awareness.

Public Safety trains and supervises the Institutional Security Officer staff assigned to foot patrol of the campus, as well as those Institutional Security Officers assigned to the security of the residential buildings.

STUDENT RIGHT TO KNOW ACT

Westfield State College's annual security report includes statistics for the previous three years concerning reported crimes that occurred on campus, in certain off-campus buildings owned or controlled by Westfield State College; and on public property within, or immediately adjacent to and accessible from the campus. The report also includes institutional policies concerning campus security, such as policies concerning alcohol and drugs, crime prevention, the reporting of crimes, sexual assault and other matters. Copies of this report are available from the Westfield State College Department of Public Safety, and through the College WEB site at: www1/safety/

Public Safety employs and directs a student security force made up of full-time students from the College to assist the regular campus police force. Student security officers are used as observers, shuttle drivers, escorts, dispatchers, concert/library and computer security, and to assist the campus police.

The Public Safety Office, located in the White House on Western Avenue, is open daily with general business hours from 8:00 AM to 5:00 PM (decal sales from 9:00 AM to 4:30 PM) and offers twenty-four hour police coverage and response. Additional information is available at 572-5262. For police emergencies call the Westfield Police emergency number at 911; they will route the call to campus police.

ACADEMIC AFFAIRS

ACADEMIC ADVISING

Academic advising is provided to all students to assist them in understanding and interpreting college academic policies and requirements, major requirements, course selection and registration, and related academic opportunities and objectives. **This does not remove the obligation from students, however, to be knowledgeable and responsible about the academic requirements they have to meet.**

Day Division students are assigned faculty advisors by the chairpersons of their major departments. Academic advising is available to all UNDECLARED students in the Academic Achievement Center located in Parenzo Hall, Room 102. The Associate Dean, Academic Affairs /Director, Academic Advising assigns advisors to undeclared students. Students work with this advisor until they declare a major.

Continuing Education students are assigned advisors upon matriculation. Both matriculated and non-matriculated students can make appointments with advisors by calling (413) 572-8020.

Students who wish to change their advisors should see the chairperson of their major department. Students who have not yet declared their major should see the Associate Dean, Academic Affairs/Director of Academic Advising in the Academic Achievement Center, Parenzo Hall, Room 111.

In addition, the staff of the Student Administrative Services Center, Academic Achievement Center, Graduate and Continuing Education Office, and the Dean of Undergraduate Studies are also available to assist students.

ADVISING EXPECTATIONS FOR ADVISORS

The role of the advisor is to:

Serve as student advocates, providing accurate and up to date information about requirements and expectations within the major field, the core requirements, college policy and college procedures.

Introduce students to possibilities and expectations within their discipline, both during and beyond the baccalaureate program.

Provide assistance to students in tracking their academic progress (i.e., review audit and departmental program sheets regularly with students).

Assist students to develop strategies and individual plans which will maintain good academic standing.

Introduce students to academic opportunities(internships, coop, honors, exchange programs, etc.) available through the institution or through the discipline.

Provide students with useful and accessible referrals to other courses of information and assistance as necessary.

The advising expectations for advisors were developed by a subcommittee of department chairpersons and then accepted by all department chairpersons.

They serve as a guideline for <u>all</u> who serve as advisors.

STUDENTS' ACADEMIC ADVISING RESPONSIBILITIES

It is strongly recommended that:

Students know the requirements and expectations within their major field, core requirements, college policies and procedures.

Students meet early in their academic career with their advisor to develop an academic plan which will guide the completion of their baccalaureate degree.

Students meet regularly with their department advisor to update their progress within the program.

Students be responsible for maintaining an academic file (i.e., College Bulletin, academic audit sheets, grade reports, registration records, change of grade/change of major forms, etc.).

Students consider keeping an academic portfolio for their benefit in employment and professional interviews.

Students know what it means to maintain satisfactory academic standing (i.e., satisfactory GPA by attempted credits):

0 - 23 credits	≥	1.50
24 - 47 credits	≥	1.75
48 + credits	≥	2.00

Students explore with their advisor various academic opportunities (internships, co-ops, honors, exchange programs, etc.) available through the institution or through their discipline.

Students speak with their advisor to learn about the various academic resources available (tutorial services, study skills workshops, etc.) to support their success.

ACADEMIC ACHIEVEMENT CENTER

The Academic Achievement Center in Parenzo 102 is designed to provide the following services to Day Division students:

1) Assist students who have not yet declared a major with academic advising: i.e. course selection, the registration process, academic policies, and other academic concerns.
2) Assist students with the exploration of academic majors.
3) Advise students who are pursuing a double major in both Liberal Studies and Education.
4) Provide students with academic support services including tutorial assistance.
5) Assist students in exploring strategies for academic success.
6) Review with students their academic progress and course needs.
7) Assist students with decisions regarding taking courses at other institutions during the summer, or while on a leave of absence or exchange.

Similar support services are available to Continuing Education Students through the Office of Graduate and Continuing Education.

ACADEMIC SUPPORT/TUTORING

Academic assistance and tutorial support are provided through the Tutoring Center. The Center is operated by professional staff and supplemented with approximately 75 peer tutors.

Academic assistance is offered in writing, study skills and mathematics. Tutoring is also available in all areas of the college curriculum. Workshops are held in word processing. The Center is open from 8:30 AM to 10:00 PM Monday to Thursday and from 8:30 AM to 5:00 PM on Fridays.

The Center also coordinates the provision of support services to students who are physically challenged or learning disabled.

For further information, the Tutoring Center is located in Wilson 234, 572-5783 or 5787.

READING AND WRITING CENTER

The Reading and Writing Center provides students of all abilities and across all disciplines with academic assistance in reading and writing. While the center's professional staff assists students working on particular assignments, or preparing for specific examinations, its primary mission is to help students become more effective readers and writers. More specifically, the center aims to:

1) Help students further develop effective and efficient strategies for reading and learning from textbooks and other academic material.
2) Teach students to think and write critically about texts and other sources of information.
3) Assist students in writing clearly, precisely, engagingly, and thoughtfully by working with them on the various stages of the writing process, including: rhetorical analysis, preparation and invention, research, thesis development, organization, drafting, revision, style, and editing for grammar and punctuation.

The center also provides faculty and staff with the training and the resources necessary to make more effective use of reading and writing in the classroom.

The Reading and Writing Center dedicates itself to making Westfield State College a campus committed in principle and practice to reading and writing in the belief that these abilities are fundamental not only to academic success during college years but also to lifelong learning and success.

Students may sign up for an appointment at the center in person (Parenzo 218) or by phone 572-5569. Day and evening hours are announced at the beginning of each semester. Information about the center is also available at the following web address: http://www1.wsc.ma.edu/reading. The center is not open in the summer.

OFFICE OF MINORITY AFFAIRS

The Office of Minority Affairs (OMA) is responsible for the planning, development and implementation of programs to improve the possibilities of success for minority students at the College. Of equal importance is the emphasis placed on finding creative ways to foster healthy, productive relationships between the ethnically diverse members of the campus community. As a liaison for handling cultural issues for students, faculty, and staff, the OMA is available as a resource to campus groups and individuals who wish to organize events and activities that promote cultural pluralism on campus. The OMA also administers the Urban Education program.

The Office of Minority Affairs is located in Wilson Hall, Room 235, 572-5391.

URBAN EDUCATION PROGRAM

The recruitment and retention of first-generation college students comprises the primary focus of the Urban Education (UE) program. While serving the College as the primary recruiter of high school students from diverse educational, ethnic and cultural backgrounds, the UE program is designed to provide academic and personal counseling support to any student considered to be educationally at risk. First-year students who meet program criteria are accepted into the College on a provisional basis and must complete a six-week summer "bridge" program to gain full matriculation. Comprehensive efforts to retain students to graduation include aggressive academic and personal counseling, course work to improve research methods, time management, note taking and critical thinking skills. Workshops on computer applications, expository writing and career planning are offered. In addition, the program promotes the pursuit of graduate studies and assists the participants in ther application to graduate and/or professional schools. For more information about the Urban Education Program, contact the program director at 572-5391.

STUDENT SUPPORT SERVICES

The mission or primary objective of the Student Support Services (SSS) program is to provide appropriate academic and counseling services to eligible students in order to retain them to graduation. The program provides a network of workshops that support students in the areas of Math, Science, English as a Second Language, Critical Thinking in Reading, Developmental Reading and Study Skills, and Basic Writing. Counseling is also offered to support students academically, personally, and in making graduate school and career choices. Program staff are exceptionally competent and eager to help students succeed.

Interdisciplinary workshops, designed to address the subjects offered in most core courses at the College, are held in the late afternoon, after the completion of most day courses at the College. Program instructors, who are experienced professionals in their subject area, conduct the sessions with the help of peer tutors. Peer tutors are upper-class students who have demonstrated both excellence in a particular subject and a facility for communicating with classmates.

Program participants are encouraged to work in cooperative groups to share ideas and clarify difficult course concepts. Students who have specific questions or problems can meet with an instructor "one-on-one" for more individualized help. Consistent participation in the SSS program can be an integral part of a student's success at the College. Students can contact the program counselor to see if they qualify.

For additional information call 572-5462.

TELECOMMUNICATION DEVICES FOR HEARING IMPAIRED

The College supports telecommunication devices for the hearing impaired in three locations:

Public Safety Office	572-5469
Disabled Student Services Office	572-5787 (Day only)
Switchboard	572-5250

LIBRARY FACILITIES

Ely Library's collection includes 166,528 books, 823 currently received print periodicals, 15,112 bound periodicals, 546,995 microforms, 2,448 videotapes, 1,113 music CDs, newspapers, online databases, and. an online catalogue. Online databases and the online catalogue are available from the Library Homepage: www.lib.wsc.ma.edu. Off campus access to online databases and the online catalogue is available. Reference, interlibrary loan, information instruction services and copiers are available. A student ID is required to borrow materials.

Hours:

Monday-Thursday	8:00 AM - 11:00 PM
Friday	8:00 AM - 5:00 PM
Saturday	1:00 PM - 6:00 PM
Sunday	1:00 PM - 9:00 PM

Vacation and holiday hours posted.

ADDITIONAL EDUCATIONAL PROGRAMS

STUDY ABROAD PROGRAM

The Study Abroad program offers diverse opportunities for students in all majors to take classes and to participate in practicum placements or internships.

Among the study abroad opportunities available at pre-approved locations are those in England, Ireland, Scotland, Germany, Spain, Italy, Cairo Egypt, the Canadian province of Quebec, and Australia. Students are also eligible to apply to colleges in Asia and Latin America.

To be qualified to participate students must have a minimum grade point average of 2.75 as well as the approval of their major department chairs and the director of the program. General information meetings are held at the beginning of each semester. The application deadline for fall term candidates is April 1 and for spring term candidates, November 1.

For further information, contact Professor George Psychas, Director of International Education, Wilson 160, Auditorium C, 572-5340.

NATIONAL STUDENT EXCHANGE (NSE)

National Student Exchange (NSE) is an educational consortium of 170 colleges and universities in the United States which enables participating students to attend other NSE schools typically at either the home or host school's in-state tuition rate. Tuition reciprocal exchanges are available in 47 states including Alaska and Hawaii, and in Guam. Puerto Rico, and the U.S. Virgin Islands. NSE allows students to live and learn in different academic and geographical settings for up to one full year away from the Westfield campus.

NSE provides:

- Full-time undergraduate student exchange for one semester or one full year.
- Access to an extensive array of courses, programs, and other educational opportunities.
- Exchange among more than 80 honors programs.
- Wide-ranging multicultural opportunities.
- Resident Assistant exchange at some NSE campuses.
- Linkage to study abroad sites in 142 cities and 49 countries.

NSE applicants must:

- Be a full-time student at the time of application;
- Complete full-time study the semester prior to exchange;
- Have a 2.50 GPA (4.0 Scale) at the time of application and at the end of the semester prior to exchange;'
- Have sophomore, Junior, or senior status (freshmen may apply for sophomore exchange).
- Commit to various terms and conditions (e.g., length of exchange, cost of exchange, academic advising agreement, and acceptance of the home and host school policies).

Cost of Exchange

- NSE application fee (non-refundable $60 fee payable to Westfield State College).
- Host NSE school in-state tuition/fees or Westfield State College's in-state tuition/fees.
- Host NSE school room and board (or off-campus accommodations).
- Student transportation roundtrip and personal expenses.

Financial Aid Conditions

The school that receives the student's tuition payment shall administer the student's financial aid:

- Exchange students who pay the host school's in-state tuition/fees apply for student financial aid through the host school.
- Exchange students who prefer to pay Westfield State College tuition/fees apply for student financial aid through Westfield State College.

Student Grades and Credits

- Prior to exchange, a student and his or her Academic Advisor complete an Advising Agreement.
- Full credit is given for pre-approved coursework satisfactorily completed on exchange.
- NSE students are Westfield State students studying on other campuses--they are not considered transfer students.

NSE Student Applicant Deadlines

- Obtain NSE program application materials, Ely-131 (September - December).
- Complete and return NSE application, Ely-131 (December - January).
- Attend NSE applicant meetings when scheduled (February).
- Formal acceptance of NSE host school placement (Late-March - Early-April).

For more information about the National Student Exchange and NSE host campus details, consult the National Student Exchange web site at http://www.buffalostate.edu/~nse/ or contact Daryl Hendery, NSE coordinator at Westfield State College (phone: 413/572-5444; fax: 413/572-5757, or email: dhendery@wisdom.wsc.ma.edu).

COLLEGE ACADEMIC PROGRAM SHARING (CAPS)

The College Academic Program Sharing program is designed to offer students the opportunity for an educational experience at another state college in Massachusetts. It is available to full-time day division students in good academic standing and does not necessitate transferring. Students may participate in this program for one or two semesters, completing up to thirty credits. The filing deadline is December 15 for the Spring Semester and May 15 for the Fall Semester. Freshmen are ineligible. The state colleges participating in this program are: Bridgewater State College, Fitchburg State College, Framingham State College, Massachusetts College of Liberal Arts, Salem State College, Westfield State College, Worcester State College, Massachusetts College of Art, and Massachusetts Maritime Academy.

All students are strongly urged to consult their academic advisor concerning required courses to be taken through this program, to be sure the course work fits with their degree program. The Chair of the student's major department must approve course equivalencies for courses in the major. For additional details and a CAPS application form, please see the Student Administrative Services Center.

COOPERATING COLLEGES OF GREATER SPRINGFIELD (CCGS)

Known as CCGS, the Cooperating Colleges of Greater Springfield was fromed in 1970 by the presidents of each of the institutions participating in the association. In addition to Westfield State College, the member institutions include: American International College, Bay Path College, College of Our Lady of the Elms, Holyoke Community College,. Springfield College, Springfield Technical Community College, and Western New England College

These eight area public and private institutions established the CCGS program to enhance the educational experience of their students through the use of cooperative programs and services, including cross-registration, student-faculty inter-college library privileges, joint student activities and student activity calendars.

Undergraduate students may take courses for credit at a cooperating institution when such courses are not available at their own institutions. To be eligible to participate in cross-registration, students must be enrolled in at least 6 credits at their home institution. Students are limited to enrolling in one course (3-4 credits) per semester.

Interested students apply for courses through their home college registrar and academic advisor. Students are billed for CCGS registration as part of their home school tuition. Credit and grades for courses completed at cooperating colleges are applied to the student's record at the home college. Generally, CCGS cross-registration is limited to undergraduate courses offered during the fall and spring semesters. Continuing Education courses are not included.

RESERVE OFFICERS TRAINING CORPS

ARMY R.O.T.C.

Westfield State College, in cooperation with Western New England College and the University of Massachusetts, offers an Army Reserve Officers Training Corps program (ROTC) leading to the rank of Second Lieutenant in the active Army, Army Reserve, or the Massachusetts National Guard. The program is directed by the United States Army and is available to all Day students. Introductory courses are offered on the Westfield campus, but the majority of the courses required for the program are taken off-campus, primarily at Western New England College, through the Cooperating Colleges of Greater Springfield. For additional information, contact the Army R.O.T.C. liaison person at Western New England College, (413) 782-1345 or 1332.

AIR FORCE R.O.T.C.

The Air Force Reserve Officers Training Corps (AFROTC) does not have its own program at Westfield State College; however, students can take the program while attending Westfield State College through the Cooperating Colleges of Greater Springfield (CCGS) agreement. The agreement allows students to take AFROTC courses at the University of Massachusetts in Amherst. Freshmen and sophomore courses can be taken without any commitment to the Air Force, and a 2-year program is available for any interested sophomore who decides to pursue the program during the spring of that year. Upon successful completion of the program (and receipt of a bachelor's degree), graduating students will receive commissions as Second Lieutenants in the U.S. Air Force. Two to 3 ½ year scholarships paying full tuition, lab, incidental fees, and $100.00 per month during school are available to participating students. Books are provided by the AFROTC. For additional information, contact the Professor of Aerospace Studies, at the University of Massachusetts, (413) 545-2437 or 2451.

THE DIVISION OF GRADUATE AND CONTINUING EDUCATION

The Division of Graduate and Continuing Education offers programs in four areas: graduate studies, undergraduate studies (part-time), professional development for educators, as well as lifelong learning and leisure studies programs. Graduate programs include the Master of Arts in English and Psychology, the Master of Science in Criminal Justice, the Master of Education in 9 different concentrations and the Clinical Masters of Education in 14 concentrations. The Certificate of Advanced Graduate Study is offered in 5 concentrations. See the Graduate Catalogue published by the Division of Graduate and Continuing Education for additional information about these graduate programs. In addition, the Division offers a post-baccalaureate teacher certification program which enables students already holding a bachelor's degree to pursue certification. The Division offers a Second Bachelor's Program for those interested in a new field of study, building on their previous baccalaureate work.

Undergraduate programs are offered in every major available to Day Division students. Generally, necessary courses are offered in the evening, although some courses may have to be taken in the Day Division. Students who are pursuing their degrees part-time (less than 12 hours per semester) generally matriculate through the Division of Graduate and Continuing Education. Financial aid is available for students in degree programs pursuing part-time study and enrolled in at least 6 credits per term.

The Lifelong Learning and Leisure Credit-Free Program of the Division of Graduate and Continuing Education is committed to serving individuals and businesses by offering a wide variety of personal enrichment and skill-building classes. Professional development certificate programs, such as the Alcoholism/Chemical Dependency Treatment Services Program and the Paralegal Certificate Program are designed to serve the non-credit educational needs and interests of the community.

Undergraduate credit courses offered in the evening or on weekends are available to Day Division students on a space-available basis during Add/Drop Week each semester at no additional cost. A day student who must take a specific course for credit at night, because the course is required for graduation and is not available during the day, may petition the Dean of Undergraduate Studies for a waiver of the tuition for the course, and may pre-register before the Add/Drop period. Generally only graduating seniors are considered for waivers and a $40.00 registration fee is required.
For more information, contact the Division at (413)572-5224 or stop by the office, at 333 Western Avenue, 9:00 AM - 7:00 PM Monday through Thursday, 9:00 AM - 4:00 PM Friday.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

Academic credit or waiver of requirements may be granted based upon performance on the College Level Examination Program (CLEP). Beginning July 1, 2001, the CLEP test will be given solely by computer. The uniform minimum credit-granting score for all CLEP examinations taken after July 1, 2001 shall be 50 in all academic areas except English. A maximum of 60 credits toward graduation may be earned through CLEP examination.

Whether the completion of a CLEP examination results in the waiver of a major requirement is to be determined by the appropriate academic department. Therefore, students should consult the appropriate advisor. Common core credit can be credited in the full amount that a student potentially can earn in the appropriate core category, not to exceed one year's worth.

Students who score 50 or above on the General Composition Exam (with Essay), or 51 or better on the Freshman Composition Exam (with Essay), may be granted credit for, and/or exemption from, English Composition I. Credit and/or exemption will be granted, however, only upon submission and successful review of a portfolio of written materials that reflect the varied requirements of the college's English Composition course. The composition committee of the English Department will determine what materials are needed to be included in such a portfolio, will publish such information and would also be responsible for reviewing any submitted materials.

Students who have taken the test prior to the implementation of computer-delivered testing system must have achieved a CLEP score at least the equivalent to the 75th percentile of national norms established by the College Board; however, specific standards and whether credit or waiver is granted are determined by each academic department.

Credit or waiver of requirements will not be granted unless the examination is taken prior to enrollment in a course which is equivalent to the examination.

Students should contact the CLEP Administrator in the Office of Graduate and Continuing Education at 333 Western Avenue for registration information.

ADVANCED PLACEMENT (AP)

Academic credit or waiver of requirements may be granted based upon performance of the Advanced Placement Test. Generally, students must attain an advanced placement score of at least 3; however, specific standards and whether credit or waiver is granted are determined by each academic department. Students with questions regarding AP scores should consult the Director of Admissions.

CREDIT FOR MILITARY EXPERIENCE

Westfield State College offers students with military experience the opportunity to receive graduation credit for this experience. Official documentation of military experience must be submitted to the Student Administrative Services Center or the Division of Graduate and Continuing Education Office for evaluation.

Students may receive 3 credit hours in movement science electives for their Basic Training, if they have served a minimum of 9 consecutive months of active duty in the armed forces. Students must submit a Form DD214 documenting this period of service. Students in the National Guard may apply for this credit only if the period of active duty began January 1, 1995 or later.

To apply for credit for other types of military experience, students must submit official copies of either a Form DD295, the AARTS transcript or the SMART transcript. These are the only military documents that Westfield accepts as the equivalent of an official transcript. The Form DD295 must be completed and signed by the student's commanding officer in accordance with the course codes and specifications published in the current issue of the American Council on Education's *Handbook to the Guide to the Evaluation of Educational Experiences in the Armed Services*.

Credit for military experience is treated as community college-level course work and is subject to all College policies regarding other transfer course work.

SCHOLASTIC REQUIREMENTS

COURSE LOAD
DAY DIVISION STUDENTS

Fifteen (15) credit hours per semester is the normal academic course load of students at Westfield State College.

Students may enroll for up to eighteen (18) credit hours without special permission; however, students wishing to enroll for more than eighteen credit hours must secure the permission of their advisor, Department Chair, and the Undergraduate Dean or Registrar. Credit overload permission forms are available at the Student Administrative Services Center.

As a guideline from the Academic Policies Committee, the maximum course load a student may carry in a given semester is 21 hours including both day and evening courses and programs. A student should have a minimum quality point average (QPA) of 2.50 to carry 19-20 credit hours and a minimum QPA of 3.00 in order to carry 21 credit hours.

Twelve (12) hours a semester is the minimum load for full-time day students. Graduating seniors carrying fewer than 12 credits are considered full-time during their last semester provided that they are carrying the number of credits needed to complete all their degree requirements. However, students carrying fewer than 12 credits are subject to adjustments in their financial aid awards. Graduating seniors should consult the Student Administrative Services Center prior to deciding to reduce their course load to fewer than 12 credits.

Students carrying fewer than 12 hours lose their full-time status. Eligibility for residence hall space and financial aid may be affected. Students carrying fewer than 12 credits cannot represent the College in co-curricular activities. A student's eligibility for medical insurance coverage under a parent's policy may also be affected. A student's full-time status is determined by the number of credits in which the student is enrolled at the end of the Add/Drop period.

COURSE LOAD
CONTINUING EDUCATION STUDENTS

Undergraduate Continuing Education students may take up to three courses per term. Students with full-time employment should ordinarily limit themselves to two courses. Students with PELL grants must take a minimum of two courses in order to receive their award. Students needing assistance in order to determine an appropriate course load should consult with an academic advisor. Undergraduate and Postbaccalaureate students need signed permission to take 12 or more credits per term. Permission may be obtained from the Director of Advising and Academic Programs (or designee), who will make this decision after reviewing the student's academic progress.

CLASS STANDING

Class standing is calculated automatically whenever there is a change in a student's number of completed credits. Therefore, a student's class standing may change in the middle of a semester or in the middle of an academic year.

Day Division registration and housing priority are based upon a student's anticipated class standing at the end of the current semester. This is calculated by adding the number of credits in which the student is currently enrolled to the number of earned hours the student has already completed. For some students this calculation may advance them to the next class level; for some students it may not.

Students who expect to graduate in four years should plan to complete 30 credits each academic year; students who fall more than 6 credits behind are moved to the next lower class. The following table lists the class status of students as determined by the number of credits they have completed.

	Lower	Upper
Freshman	0- 8	9-23
Sophomore	24-38	39-53
Junior	54-68	69-83
Senior	84-98	99-

GRADES AND CREDITS

INCOMPLETE GRADES

The grade of "I" (incomplete) is only to be assigned when 80% of the course work has been completed for a specific course. "I" grades become "F" grades unless the course work is satisfactorily completed during the first four weeks of the next semester. Under certain circumstances the deadline to complete "I" grades may be extended or reduced. Special permission forms to extend the deadline to complete the course work for "I" grades can be obtained at the Student Administrative Services Center for Day Division students, and at the Continuing Education Office for students in that division. The college's Committee on Academic Standing may require students to complete the course work on "I" grades early to determine if they are eligible to return to Westfield State College.

Students placed on academic probation (AP) or academic failure (AF) with incomplete grades on their record must complete the work and a grade must be submitted before the end of the ADD/ DROP period of the subsequent semester in order to be removed from AP/AF status respectively.

FAILING GRADES

Grades of "F" can never be removed from a student's academic record, but the courses in which they have been received may be repeated and passed. In the case of electives, other approved courses may be taken and passed either in approved Summer Sessions, or when possible during the regular college year.

GRADE APPEALS

If a student wishes to appeal a grade, the appeal must be initiated through the Academic Affairs Office by the end of the fourth week of the semester after the course was taken.

Students should attempt to resolve questions regarding grades on an informal level, between the student and instructor or department chair, if possible, prior to filing a formal appeal. If there is no resolution at this level, the student may appeal the grade to the Dean of Undergraduate Studies or the Dean of Graduate and Continuing Education, as appropriate.

Note: The wording of the above policy has been modified to provide students with additional information about how the policy is applied and/or procedures to follow when applying the policy. The exact wording of the original policy may be found in the Westfield State College Policies and Procedures Manual.

QUALITY POINT SYSTEM

A student's quality point average (QPA) is computed at the end of each semester. The quality point average is calculated for the semester, and a cumulative quality point average is calculated for all courses taken since the student's matriculation at Westfield (cumulative QPA). Courses accepted in transfer prior to matriculation at Westfield are not a part of the cumulative average.
Westfield State College uses a quality point system of:

A.....4.0	B.....3.0	C.....2.0	D.....1.0
A-....3.7	B-....2.7	C-....1.7	F.....0.0
B+...3.3	C+...2.3	D+...1.3	

CALCULATING A QUALITY POINT AVERAGE

1. To determine the number of quality points earned, for each course taken, multiply the numeric value of the grade earned (from the table above) by the number of credits the course carries.
2. For example, a C+ (2.3) in a 3 credit course would earn 6.9 (2.3*3) quality points; an A- (3.7) in a 4 credit course would earn 14.8 (3.7*4) quality points; an F (0.0) in a 3 credit course would earn 0.0 (0.0*3) quality points.
3. Add all the quality points earned. The grades above (6.9+14.8+0) add up to 21.7 quality points.
4. Divide by the total number of credits carried. Note that "F" grades count as credits carried, although they do not earn quality points. The total credits in the example above is 10 (3+4+3), so the student's QPA is 2.17.
5. Pass/Fail courses are not included in the calculation of a QPA.

COURSE REPEAT POLICY

The course repeat policy was designed to provide students with an opportunity to repeat courses for which they wish to earn an improved grade.

Subject to the following conditions, students may repeat courses regardless of the original grade earned.

Students who have originally earned a passing grade in a course may repeat that course once only. Students who have failed a course may repeat the course until a successful grade has been earned. The passing grade will replace only one "F". Students may apply this policy a maximum of three times.

In cases where an original grade of "F" has been assigned as a consequence of academic dishonesty, a student may not replace that grade in the cumulative grade point average.

The semester hours awarded for the repeated course will **not** be tallied in the student's graduation credit totals.

Grades and records of both the original course and the repeated course will remain on the student's transcript. Effective Fall 2001, only the most recent grade, whether it is higher or lower than the original grade earned, will be computed in the student's cumulative grade point average. Such courses will be noted on the student's transcript as repeated courses.

While the original grade will no longer be used in the calculation of the cumulative grade point average, original notations of the student's academic status based on the earlier cumulative grade point average (e.g., probation, academic suspension, dean's list) will not be changed and will remain a part of the student's academic record.

Students must file a completed course repeat form with the Student Administrative Services Center prior to taking any course as a repeat. If either the original or the repeat course is not a Westfield State College course, the student must also obtain, on the course repeat form, the written approval of the chair of the Westfield State College department administering the course to assure its equivalence. No notation of the course repeat will appear on the student's record unless such prior approval has been obtained.

Students who wish to repeat a Westfield State College course at another institution must comply with all Westfield State College policies concerning courses taken at other institutions as well as with the guidelines set forth in this policy.

This policy is effective starting September, 1992 and will only apply to courses repeated after this date.

This policy will be reviewed by the Dean of Undergraduate Studies every two years.

This policy is implemented similarly for Continuing Education students, although they may take courses at other institutions only with prior written approval once they have been accepted into a degree program. The necessary forms are managed through the Office of Graduate and Continuing Education.

Note: The wording the above policy has been modified to provide students with information about how the policy is applied and/or procedures to follow when applying the policy. The exact wording of the original policy may be found in the Westfield State College Policies and Procedures Manual.

CORE IMPLEMENTATION POLICY

The purpose of this policy is to establish guidelines to accept course work into the College's revised Common Core. Its provisions are consistent with the terms of the Commonwealth Transfer Compact and with policies for transferring general education coursework between the State four-year colleges.

General Education Requirements completed at another institution:

1. Students transferring to Westfield State College after completing all the general education requirements at another Massachusetts State College will be deemed to have satisfied Westfield's general education requirements.
2. Students transferring to Westfield State College under the Commonwealth Transfer Compact will be deemed to have satisfied all portions of Westfield's core except the 6-credit upper-level requirement.
3. Students enrolled in the Second Bachelor's Program through DGCE who have completed a B.A. or B.S. degree at an accredited college will be deemed to have completed the Westfield core.
4. In all other cases, the evaluation of courses will be done on a course-by-course basis by the admission officer/academic advisor evaluating the transcript at the time of application. The evaluator will move to the next step only if the outcome of the previous step is not satisfactory to the student:
   a. Award credit if, based on guidelines established by the appropriate department chair, the course is determined to be equivalent to a Westfield core course.
   b. Award credit if the course fulfilled a comparable general education requirement at the school where it was taken.
   c. Award credit if, after consultation with the appropriate department chair, the course is determined to meet the Westfield State College standards for the core area.
5. The results of the evaluation of core courses must be reported in writing to the Registrar (for Day students) or the undergraduate records coordinator (for DGCE students).
6. Students not satisfied with the results of the core determination may appeal to the appropriate Dean.

General Education course work completed at Westfield:

1. Courses that are approved for the new core may count in the appropriate category for students completing the old core. Note: Courses that appear ONLY in the Diversity section of the new core do not fulfill requirements under the old core.
2. Courses approved for the core will become effective the next semester that they are offered. Students will not be granted core credit retroactively.
3. Students not satisfied with the results of the core determination may appeal to the appropriate Dean.

Note: The wording the above policy has been modified to provide students with information about how the policy is applied and/or procedures to follow when applying the policy. The exact wording of the original policy may be found in the Westfield State College Policies and Procedures Manual.

PASS/FAIL POLICY

Note that the Pass/Fail policy is implemented differently for one-credit introductory-level courses and for upper-level (0200 and 0300 level) courses.

FOR ONE (1) CREDIT 0100-LEVEL COURSES

Departments may offer one (1) credit 0100- level courses: 1) Pass/No Record, 2) Pass/Fail, and/or 3) for a letter grade. Within the first three (3) weeks of the semester, students must agree upon a grading option with the faculty member teaching the course.

No course eligible for common core credit may be designated for this option.

For Pass/No Record courses, if a student earns a Pass (PS) grade, the credit earned applies towards graduation credits only. If the student fails the course, the Fail (FL) grade and the course notation proper are removed from the student's academic record.

For Pass/Fail courses, if a student earns a Pass (PS) grade the credit earned applies towards graduation credits only. If the student fails the course, the Fail (FL) grade appears on the student's academic record but is not be used to calculate the student's quality point average.

FOR 0200/0300-LEVEL ELECTIVE COURSES

The intent of this policy is to encourage juniors and seniors to take upper-level elective courses outside of their major or the core without concern for lowering their quality point average.

No course in the major (home) department or any required course outside the major department may be taken on a Pass/Fail basis, [even if the course would not be used to satisfy a major requirement]. Only elective courses above the 0100-level are eligible for the Pass/Fail option.

No course eligible for common core credit may be elected for the option, [even if the course would not be used to satisfy a core requirement].

Only students with junior or senior status are eligible for the option.

No more than two courses above the 0100-level, not to exceed 8 credits, may be taken on a Pass/Fail basis.

Eligible students must apply for Pass/Fail status with the Student Administrative Services Center no later than the midpoint of the course (as established by the Registrar).

Faculty must submit a letter grade for each student in the course, thereby making the faculty member "blind" to which students are opting for Pass/Fail status. The Registrar will convert the student's grade to Pass/Fail on the student's transcript.

Both the Pass "PS" and the Fail "FL" will be noted on the transcript, but neither will affect the student's cumulative quality point average.

Once the Pass/Fail option is selected, the choice is binding.

Credits awarded for courses taken PASS/FAIL are not counted toward the minimum 12 credits necessary for Dean's List eligibility.

This policy is implemented similarly for Continuing Education students. To be eligible, students must have completed a minimum of 54 credits. Pass/Fail permission forms must be filed in the Office of Graduate and Continuing Education, in accordance with deadlines established by that Division.

Note: The wording of the above policy has been modified to provide students with additional information about how the policy is applied and/or procedures to follow when applying the policy. The exact wording of the policy may be found in the Westfield State College Policies and Procedures Manual.

COURSES TAKEN AT OTHER INSTITUTIONS AFTER MATRICULATION

After Day Division students have enrolled at Westfield, they must secure written permission to apply core or major courses taken at other schools to their Westfield degree. This permission may be granted by the chairperson of the Westfield department wherein the course to be taken lies. Students should note that such permission is granted under conditions specified prior to registration.

College courses taken without this written permission will be accepted for elective credit only until such permission has been granted.

Upper-level courses may not be taken at a community or junior college. No credit will be awarded for such courses.

Any grade of "D" or better is acceptable for transfer credit. NOTE: a grade of "D-" is unacceptable for transfer credit, but it will be added to a student's record and calculated into a student's QPA.

Students wishing to appeal the denial of permission to take courses or the denial of credit for courses taken should do so in the Office of Academic Affairs.

Continuing Education students may not have courses taken at other institutions count toward their program once they have been accepted into a degree program, unless special permission is granted by the Dean of Graduate and Continuing Education or the Director of Advising and Academic Programs.

Note: The policy stated above does not apply to courses taken prior to a student's initial matriculation at Westfield. See paragraph on Transfer Grade Policy in section on Transfer Admission for additional information regarding transfer grades.

EXPLANATION OF ACADEMIC RETENTION AND PROBATION POLICY

The explanation that follows is intended to provide students with the information that they need to make an informed response when they are subject to academic action. For a complete statement of Westfield's Academic Retention and Probation Policy, see the Westfield State College Policies and Procedures Manual, policy number 1040.

Students are considered to be in good academic standing if they maintain a cumulative QPA of at least 1.5 while attempting 0-23 undergraduate credits, at least 1.75 while attempting 24-47 undergraduate credits, and at least 2.0 after attempting at least 48 undergraduate credits. Credits accepted in transfer from other institutions are included in the attempted credits for determining a student's academic standing level.

If a student's QPA at the end of the semester falls below these minimum levels, the student is subject to academic action. A student whose QPA is within 0.5 of the satisfactory QPA for his/her credit level, may be placed on probation. A student whose QPA is more than 0.5 points below the satisfactory QPA may be subject to academic suspension. Transfer students whose cumulative QPA is more than 0.5 points below their satisfactory QPA but at least 1.0 in their first semester will be placed on probation. After their first semester, transfer students are subject to the same academic standing policies as all other students.

A student whose QPA is unsatisfactory after a semester on probation may be subject to academic suspension. A student who is on academic suspension for the second time may be subject to dismissal from the College for two years. However, if student on probation earns at least 9 credits with a QPA of at least 2.5, that student will be continued on probation and not be subject to suspension or dismissal.

Students may also be considered for probation or suspension if they received the grade of "F" in three or more courses during a given semester, even if they have maintained the quality point average for their level.

TABLE OF ACADEMIC STANDING LEVELS

Attempted Credits*	Satisfactory QPA	Probation QPA	Suspension QPA
0-23	1.5	1.0 -1.499	Under 1.0
24-47	1.75	1.25-1.749	Under 1.25
48+	2.0	1.5 -1.999	Under 1.5

*Attempted credits, for purposed of determining a student's academic standing level, are calculated by adding a student's total quality hours and total transfer hours.

PROBATION REGULATIONS

1. Students who are placed on academic probation can register for only 12 semester hours of credit.

2. Students on probation are prohibited from participating in all co-curricular activities, including intercollegiate athletics, intramural sports, clubs, social organizations, MTG, The Owl, Tekoa, WSKB, In Focus, student government organizations, or any other campus activity not directly connected to the requirements of a specific course. Students who violate this policy are subject to disciplinary action, and organizations which allow a student on probation to participate may jeopardize their funding or ability to function.

3. Students on probation are expected to work with an advisor in the Academic Achievement Center (AAC). The AAC uses an "Intrusive Advising" approach with students on academic probation. This includes requests for the student to:

   a. Meet for individual advising
   b. Meet to review mid-semester progress reports
   c. Respond to communication from the AAC throughout the semester

Students on academic probation are STRONGLY ENCOURAGED to meet with the staff of the AAC at least twice a month during the semester.

4. Students may not appeal probation status.

5. Students placed on academic probation (AP) or academic failure (AF) with incomplete grades on their record must complete the work and a grade must be submitted before the end of the ADD/DROP period of the subsequent semester in order to be removed from AP/AF status respectively.

SUSPENSION REGULATIONS
[Academic Failure]

1. Students on Academic Suspension lose their status as matriculated students at Westfield State College.

2. Students on Academic Suspension may not take Day classes at Westfield, unless they have received special permission from the Dean of Undergraduate Studies or the Registrar. They may take courses through the Division of Graduate and Continuing Education, but may not cross-register into Day classes. They may take courses at other institutions and have the grades earned calculated into their Westfield QPA.

3. Students may return to Westfield through the Student Administrative Services Center, when the Registrar determines that they have taken sufficient course work to raise their QPA to a satisfactory level.

DISMISSAL REGULATIONS
[Two-Year Suspension]

1. Students on Academic Dismissal lose their status as matriculated students at Westfield State College.

2. Students on Academic Dismissal may not take Day classes at Westfield, unless they have received special permission from the Dean of Undergraduate Studies or the Registrar. They may take courses through the Division of Graduate and Continuing Education, but may not cross-register into Day classes. They may take courses at other institutions and have the grades earned calculated into their Westfield QPA.

3. Students on Academic Dismissal who repair their QPA may appeal to the Committee on Academic Standing for permission to return prior to the end of the two-year dismissal.

COMMITTEE ON ACADEMIC STANDING DAY DIVISION

This policy is administered by the Committee on Academic Standing, which consists of the following members (or their respective designees):

Registrar (Chairperson)
Vice President for Academic Affairs
Vice President for Student Affairs
Dean of Undergraduate Studies
Director of Minority Affairs
Director of the Academic Achievement Center
Two Faculty Members (appointed by MSCA President)

Committee decisions are based on a simple majority vote of members in attendance.

Any exceptions to the foregoing policy based upon extenuating circumstances may be appealed in writing to the Committee on Academic Standing. Appeals should be filed with the Registrar.

ACADEMIC STANDING: CONTINUING EDUCATION

The same academic standards apply to all undergraduates, in both the Day and Continuing Education divisions. However, because of differences in the pattern toward the completion of degree requirements, the monitoring of academic standards for Continuing Education undergraduates is modified.

Students in Continuing Education whose average (QPA) falls below the minimum level are placed on Academic Probation and must make an appointment with an academic advisor. In consultation with the advisor, students are responsible for developing a strategy to bring their grade averages up to the necessary level. The strategy should include specific direction with regard to course load, course selection, and deadlines for meeting the minimum cumulative average. The plan must be in writing, and a copy will be placed in the student's file for monitoring purposes. Students who do not maintain satisfactory academic progress while on Academic Probation within the prescribed time frame determined by their advisor, are placed on Academic Failure. Students who repeat the cycle of academic probation and failure to repair their records in accordance with their academic plan for a second time, are again placed on Academic Failure. Students placed on Academic Failure a second time lose their status as matriculated students and may not be reinstated for two calendar years.

For students in the Division of Graduate and Continuing Education, this policy is administered by a committee consisting of:

Dean of Graduate and Continuing Education
Director of Advising and Academic Programs
One faculty advisor (appointed by Dean)

SATISFACTORY ACADEMIC PROGRESS FOR FINANCIAL AID

In order to maintain financial aid eligibility, students must complete a minimum of 24 credits each academic year, 12 credits if enrolled for only one semester during the academic year. For a complete statement of the Satisfactory Academic Progress policy, see section on Financial Aid Policies and Criteria.

ACADEMIC HONORS

THE HONORS PROGRAM

The Honors Program at Westfield State College offers a stimulating educational experience for academically motivated students. Honors courses include general education (CORE) courses, selected departmental honors programs, and honors electives.

The Honors Program features seminars with interdisciplinary curricula, thought-provoking discussion, and independent projects. They are stimulating learning experiences that provide opportunities for students to refine writing, speaking, and research skills in preparation for graduate study. The classes offer students an opportunity to work closely with some of the most creative faculty on campus. Guest lecturers are a common feature of honors courses.

The Honors experience extends beyond the classroom to include special events such as receptions with guest lecturers, field trips to cultural events, and other informal gatherings to provide students with opportunities to socialize and learn. Students are invited to help organize activities that promote cultural and academic development.

Students who complete 18 semester hours of honors courses while maintaining a 3.00 cumulative average in honors courses and a 3.30 overall cumulative average will be conferred with the title "College Scholar" at commencement. The 18 semester hours must include three honors core courses, one honors elective and a six semester hour departmental honors project. Another option is "Honors in the Major". In order to qualify a student would need a 3.30 cumulative average in the major and successfully complete the six semester hour honors project. Students who complete "Honors in the Major" will also receive special recognition at graduation. All honors courses are noted on student transcripts. **Students do not have to participate in the "College Scholar" or "Honors in the Major" programs in order to take honors courses.**

Incoming Freshmen with a high school grade point average of 3.5 and combined SAT scores of 1150 will be considered for participation in this program. Undergraduates who have completed at least 30 credits with a QPA of 3.0 are also eligible to take honors courses. Matriculated students and students with learning disabilities may self-nominate and present alternative admission criteria. All applications are screened by the Honors Committee.

First year students considered for the Honors Program may also be considered for Presidential Merit Scholarships or for Paul Tsongas Scholarships, if they are Massachusetts State residents. The College offers five scholarships for full tuition and fees, and another thirteen scholarships for tuition only. These scholarships are renewable and may be held for a maximum of four years. To sustain eligibility for these scholarships, recipients must maintain at least a 3.25 cumulative quality point average, make satisfactory progress toward completing their degree program in four years, and have a record of positive citizenship and contribution to the College community.

For additional information about the Honors Program, contact Dr. Stephen Adams, Chair of the Honors Program, at 572-5667. For additional information about the Presidential Merit Scholarships, contact the Office of Admission or Student Administrative Services Center at 572-5407.

DEAN'S LIST

In order to be cited for academic honors known as the Dean's List, a student must have:
1. An average of "B+" (3.3) or above during the semester.
2. No grade below "C" (2.0).
3. A program of at least 12 graded semester hours.
4. No grade of Incomplete.

GRADUATION HONORS

Cum Laude	3.30 to 3.59
Magna Cum Laude	3.60 to 3.79
Summa Cum Laude	3.80 or better

Students must have completed a minimum of 60 credit hours at Westfield State College to be eligible for graduation honors.

For purposes of determining honors eligibility, a cumulative quality point average is calculated on all courses accepted in transfer, as well as on all Westfield State College courses.

WITHDRAWAL POLICY AND THE NOTATION OF "W"

The notation of "W" is an administrative action, since it is a record of action taken by the student or administration and is not a reflection of the student's performance in the course. Withdrawals will be noted as follows.

1) Day students may withdraw from a course without notation on their academic record during the first week of that course. Continuing Education students may withdraw from a course without notation on their academic record before the first class. The calendar dates for this process will be published in the course offerings book. All day student withdrawals must be made through the Student Administrative Services Center; Continuing Education student withdrawals must be made through the Continuing Education Office.

2) Students may withdraw up to three weeks prior to the last day of classes (up to two weeks prior to the last day of classes for eight-week courses) by completing a WITHDRAWAL ONLY FORM. The notation of "W" will be placed on the student's record for the course(s) dropped during this period. This form requires the professor's signature. This procedure is designed to inform the faculty member of the student's intent and action. The calendar dates for this process will be published in the course offering book. WITHDRAWAL ONLY forms must be signed and returned to the Student Administrative Services Center or Continuing Education Office, depending on the student's division, by the due date.

Choosing to withdraw is serious and it should be known that withdrawing from a course can affect a student's class standing, full-time status, financial aid, etc. A student should consider speaking with the instructor, a faculty advisor, or an advisor in the Academic Achievement Center before dropping a course.

3) Administrative offices can withdraw students for cause. Reasons for administrative withdrawal may include non-payment of tuition and fees, lack of health form information, academic failure or probation, exceeding the permissible number of credits in a single semester, and/or disciplinary action. The notation of "AW" is made on the student's record for all courses dropped administratively.

4) Day Division students who enroll for a course and fail to attend the first week of classes may be withdrawn from that course at the discretion of the professor. Students who are enrolled for eight-week courses or courses that meet only once a week may be withdrawn after missing the first class period. Continuing Education students who fail to attend the first two classes may be withdrawn at the discretion of the professor. Professors are asked to justify such a decision at the time of the recommended withdrawal. Beginning with the third week of classes (or with the third class meeting in summer sessions), a professor may not submit a "W".

5) Students who can document extenuating circumstances may be allowed to drop a course with a "W" notation on their transcript beyond the normal course withdrawal period. These students must complete a form explaining the extenuating circumstances and obtain signatures from the Dean of Undergraduate Studies or Registrar (Day Division) or the Director of Academic Advising (Continuing Education Division) and the professor for the course. Extenuating circumstances may include health, family, or employment issues.

Continuing Education students who are cross-registered into day classes must observe the Day Division dates for withdrawal. Refunds of tuition for Continuing Education students, if any, are made on the basis of the date and time of receipt of withdrawal notification in the Continuing Education Office, and in accordance with the refund schedule in force during the session within which the refund is requested.

NOTE: Day students are not permitted to withdraw from English Composition I or English Composition II.

PROCEDURE FOR WITHDRAWING FROM COLLEGE DAY DIVISION

Students leaving the college, either during a semester or between semesters, must complete WITHDRAWAL FORMS which may be obtained in the Student Administrative Services Center. Students withdrawing from the college during the semester will receive a "W" in each course. **Students who leave the college during a semester and do not officially withdraw will receive "F" grades in all courses.**

When students withdraw completely from the college during the last three weeks of the semester, their instructors are polled to determine whether the students were passing or failing their courses at the time of the withdrawal. Students who were passing a majority of their courses may return to the college for the next academic semester. Students who were failing a majority of their courses are not permitted to return for the next semester.

LEAVE OF ABSENCE AND READMISSION CONTINUING EDUCATION DIVISION

Students withdrawing from the College in good academic standing may be readmitted through the Continuing Education Office, provided that the absence has been no longer than five years. Students absent longer than five years must reapply.

POLICY ON STUDENTS CALLED TO ACTIVE MILITARY DUTY

1) Students who are unable to complete a semester because they are called to active United States military duty shall, upon verification, be granted the option of a refund or credit of tuition and campus fees. With respect to any health insurance fee, the refund policy is subject to the concurrence of the carrier.

2) Any students who have received any form of financial aid including a full or partial scholarship or student loan or who expect to receive such should contact the Student Administrative Services Center at the College to make appropriate arrangements.

3) Students shall receive non-punitive withdrawals in all courses from which they are required to withdraw.

4) Students residing in residence halls shall receive refunds on a pro rata basis for the remainder of the semester.

5) Verification of the call to service must be provided by furnishing the Registrar with a copy of the Order to Active Duty within one week of receipt of the order.

6) The College's President may waive or suspend any institutional policy or regulation that negatively impacts students in their withdrawal or readmission to the institution due to a call to active duty.

7) Any student required to withdraw due to being called to active duty shall be given priority in enrollment in the program of his or her choice upon return to the institution for the two semesters immediately following his or her discharge from active duty.

ADDING COURSES

Students may add courses to their schedules during the first week of each semester, or during the dates specified in the Course Offering Booklet for adding second eight-week (Session B) courses. Students will not be permitted to add evening courses after the second class meeting has begun. Please review the ADD procedure in the Course Offering Booklet.

DIRECTED/INDEPENDENT STUDY COURSES

Students desiring to enroll in departmental Independent Study projects must register for the course by filing an Independent Study/ Course by Special Arrangement form, available from the Student Administrative Services Center for Day Division students or Continuing Education Office for Continuing Education students. This form requires a description of each project and must be approved by the faculty member, department chairperson, and the Dean of the student's division. FRESHMEN (students with fewer than 24 credits) ARE INELIGIBLE. Students may take only one Independent Study in any given semester and not more than four in their undergraduate work at Westfield State College. Students must register for the Independent Study credits within the first three (3) weeks of the semester.

PRACTICUM, INTERNSHIP, AND CO-OPERATIVE EDUCATION COURSES

Students in good academic standing are eligible for Practicum, Internship, or Co-operative Education placement if they meet the departmental requirements for such placement. No more than 15 academic credits combined of Practicum, Internship, or Co-operative Education may be applied toward graduation.

THE ACADEMIC MAJOR

DECLARING A MAJOR

All students should be accepted into a major by the beginning of their junior year (54 or more credits), or they may be subject to dismissal or denied permission to register for courses. In accepting students the college has an obligation to provide a complete program of study, including a major. However, the college may not be able to guarantee that there will be space available in all majors. Departments may establish specific requirements for entrance and retention in a major. Day students should consult the intended department, the Office of Academic Affairs, or the Academic Achievement Center. Continuing Education students should consult their advisor or the Director of Academic Advising.

CHANGING A MAJOR

Students wishing to change their majors must secure a Change of Major Form from the Student Administrative Services Center or Continuing Education Office, depending on their Division. This form requires the approval of the Chair of the new department and release from the Chair of the original department.

ADDING A MAJOR

A student may complete the requirements for the major in two academic areas. To add a second major, Day Division students must secure a "Double Major Form" from the Student Administrative Services Center, Continuing Education students from the Continuing Education Office. This form requires the approval of the Chair of the department the student is adding as the second major.

DECLARING A MINOR

1. Students must have completed at least 6 credits of course work in an academic area in order to become eligible to declare that academic area as a minor.
2. Minor declarations must be approved by the chair of the academic department.
3. Students may not have more than two declared minors in progress. They may drop a minor at any time in order to add a different minor.
4. Minors are awarded only upon certification of completion by the chair of the academic department. Students are responsible for initiating the minor certification process. All uncertified minors will be removed from a student's record prior to graduation.
5. Declared minors may be given registration priorities at the department's discretion.
6. Students who complete minors without formally declaring them may still have them certified (see Completing a Minor, below).

COMPLETING A MINOR

A student may include a minor in an academic area different from the major as part of his/her course of study. A minor generally consists of 18 credit hours. Details about specific minors are included in the departmental listings. During the semester in which the student is taking the final courses required to complete the minor, or after all the minor course work has been completed, the student must file a Completion of Minor form. This form must be signed by the Chair of the department offering the minor and filed in the Student Administrative Services Center or Continuing Education Office, as appropriate. A notation of the earned minor is posted on the student's official transcript.

CLASS ATTENDANCE

The student classroom attendance regulations shall be determined individually by each member of the faculty who is responsible and accountable for stating these regulations clearly in writing at the beginning of each course of instruction. Students may be dropped from any class if they fail to attend during the first week.

ABSENCE DUE TO RELIGIOUS BELIEFS

(Massachusetts General Laws Chapter 151C, 2B)

Any student in an educational or vocational training institution, other than a religious or denominational educational or vocational training institution, who is unable, because of her/his religious beliefs, to attend classes or to participate in any examination study, or work requirement on a particular day shall be excused from such examination or study or work requirement, and shall be provided with an opportunity to make up such examination, study, or work requirement which he/she may have missed because of such absence on any particular day; provided, however, that such makeup examination or work shall not create an unreasonable burden upon such school. No fees of any kind shall be charged by the institution for making available to said student such an opportunity. No adverse or prejudicial effects shall result to any student because of his/her availing him/herself to the provisions of this section.

EXAMINATIONS AND FINALS

All students are required to take each and every examination assigned by their instructors at the designated time and place. A final examination schedule for day classes is posted each semester. When a student misses a final examination with a valid reason, but has met all the other requirements of the course, the Incomplete grade may be assigned. If a student misses an examination, the instructor may offer a "make-up" examination at his/her discretion.

GRADUATION

REQUIREMENTS FOR GRADUATION

Students must meet the following requirements to graduate with a baccalaureate degree:

1. A cumulative quality point average of 2.00 or better.
2. A cumulative quality point average of 2.00 or better in their major. Major requirements are those in effect at the time the student matriculates into the major.
3. 120 earned credits. Earned credits require a grade of "D" or better.
4. Successful completion of core requirements.
5. Successful completion of the requirements of a major.

Students should check with their advisors before their senior year (84 credits) to ensure that they have planned a course of study that will meet all of these requirements for graduation.

GRADUATION CEREMONY PARTICIPATION

In order to allow potential August graduates to participate in commencement with their graduating class, Day Division students who will have completed between 114 and 119 semester hours of credit by the end of the spring semester may submit a written petition to the Academic Vice President, requesting that they be allowed to participate in the ceremonies.

Continuing Education students may petition the Dean of Graduate and Continuing Education by March 4. Petitions to the Dean should reflect an approved plan to complete the program by the end of the second summer session.

Students requesting such permission should be within two courses of completing all degree requirements and have definite plans to complete the needed courses over the summer. Permission is granted at the discretion of the Academic Vice President (day students) or Dean (Continuing Education students) and is contingent upon the student's completion of all courses in progress. In addition, to participate in the ceremony, the student must have met the requirement of a 2.0 QPA overall and in all courses applied to the major requirements.

As this policy is applied, students are expected to have met all other requirements for graduation listed above.

Note: The wording of the above policy has been modified to provide students with additional information about how the policy is applied and/or procedures to follow when applying the policy. The exact wording of the original policy may be found in the Westfield State College Policies and Procedures Manual.

PROCEDURES FOR GRADUATION DAY DIVISION

All students wishing to graduate at the end of the Spring semester must make a formal application for graduation to the Registrar through the Student Administrative Services Center by March 1. Students wishing to graduate in August must make a formal application by July 1, and those wishing to graduate in January must make a formal application by November 1. Diplomas are not awarded without formal application.

It is the responsibility of each senior student to provide the Registrar with information and official transcripts concerning all course work completed outside the Westfield State College.

PROCEDURES FOR GRADUATION CONTINUING EDUCATION DIVISION

All students wishing to graduate in the spring semester must make a formal application for graduation by March 1. If a formal application is not completed students may neither participate in graduation ceremonies nor receive their degree at that time. Diplomas are not awarded without formal application.

Students who wish to graduate in August must make a formal application by April 1, and students wishing to graduate in January must make a formal application by November 1.

LISTING MAJOR ON DIPLOMAS

The major of each student may be listed on the diploma. Students have the option of not having their major listed on the diploma. Students who have completed two majors may have both listed on the diploma. Neither concentrations nor minors are listed on the diploma.

LICENSURE FOR TEACHING

All graduates who satisfactorily complete the requirements of a college-approved program for teacher licensure, including passing the appropriate Massachusetts Tests for Educator Licensure, are recommended for licensure to the Massachusetts Department of Education. Students receiving licensure through an approved program are covered by the Interstate Certification Contract.

Under current regulations for teacher licensure in Massachusetts, students must complete a liberal arts or sciences major, or an approved interdisciplinary major, together with their education major or licensure program. Students seeking an education major or licensure in early childhood, elementary, or special education are strongly encouraged to select Liberal Studies or General Science as their Liberal Arts and Sciences major. Completion of all required course work and passing of the appropriate Massachusetts Tests for Educator Licensure (MTEL) leads to initial licensure.

The Education Department and the Office of the Associate Dean for Education at Westfield State College maintain admission and retention criteria for teacher licensure programs. First year students are provisionally accepted into the major and may apply to the Department for Advanced Standing in the major or licensure program upon completion of 57 credits. The following criteria are used to determine eligibility for Advanced Standing:

1) Overall GPA of 2.6
2) Average of 2.7 in English Composition I and II, or a 2.3 in ENGL 0200 - Writing For Teacher Candidates (3 credits)
3) Passing of both the reading and writing sections of the Massachusetts Test for Educator Licensure in communication and literacy.

In order to be eligible for student teaching, a student must have completed all required course and field work, have an overall GPA of 2.8, and have a passing grade in the appropriate Massachusetts Test for Educator Licensure subject area test, or tests.

Because the Massachusetts Department of Education continually revises teacher education standards and requirements for licensure, students are advised that Department program requirements are subject to change to comply with state and professional standards. The Education Department at Westfield State College makes every effort to notify students of changes in program requirements and regulations as soon as they are officially published by the state. When it is appropriate to do so, the Department advises students of potential changes in advance of formal announcement and implementation.

For further information, students are encouraged to contact the Associate Dean for Education at (413) 572-5326, or the Chair of the Education Department at (413) 572-5315.

REQUESTING TRANSCRIPTS

Transcripts are issued by the Registrar through the Student Administrative Services Center for Day Division students, and by the Office of Graduate and Continuing Education for Continuing Education students. Transcripts must be requested in writing by the student. Telephone requests are not accepted. There is a processing fee for each transcript. Official transcripts bearing the college seal are not issued directly to students or graduates.

Students may request unofficial copies of their transcripts for their own use or sealed, official copies to be hand-delivered by the student. Sealed, official transcripts are stamped "Not valid if seal broken" on both the transcript and envelope.

Note: The wording of the above policy has been modified to provide students with additional information about how the policy is applied and/or procedures to follow when applying the policy. The exact wording of the original policy may be found in the Westfield State College Policies and Procedures Manual.

ACADEMIC CONDUCT POLICIES

Students should also review related information found in the Student Handbook which is published by the Division of Student Affairs.

ACADEMIC FREEDOM AND RESPONSIBILITY

The Board of Trustees and the Massachusetts Teachers Association/NEA endorse the principles and standards of academic freedom and academic responsibility as generally and traditionally accepted in institutions of higher education. They agree to promote public understanding and support of academic freedom and agreement upon procedures to assure academic freedom in colleges and universities. Institutions of higher education are conducted for the common good and not to further the interest of either the individual teacher or the institution as a whole. The common good depends upon the free search for truth and its free exposition. Academic freedom is essential to these purposes and applies to both teaching and research.

Academic freedom is the right of scholars in institutions of higher education to study, discuss, investigate, teach, exhibit, perform, and publish. Freedom in research is fundamental to the advancement of truth. Academic freedom in its teaching aspect is fundamental for the protection of the rights of the teacher in teaching and of the student in learning.

The teacher is entitled to full freedom in research and in the exhibition, performance, and publication of the results of his/her research, to full freedom in the classroom in discussing his/her subject, and most specifically in the selection of classroom materials including selection of texts. The teacher is entitled to discuss controversial issues. As both a teacher and scholar he/she recognizes a professional obligation to present various scholarly opinions and to avoid presenting totally unrelated materials.

Faculty members have the right to determine the amount and character of the work and other activities they pursue outside the College provided such work and other activities do not interfere with the discharge of their responsibilities.

ACADEMIC HONESTY

Academic honesty, a necessary foundation of a learning community, is expected of all students. Violations are unacceptable and are subject to academic penalties, including failure of the course. A record of the violation is submitted to the Office of Academic Affairs; repeated violations may result in suspension or dismissal from the College. Violations of academic honesty include cheating on examinations, plagiarism, and submission of papers for credit in two or more courses.

EXAMINATIONS

Violations of academic honesty with regard to examinations consist of the following:

1. Receiving assistance or assisting others while the examination is in progress.
2. Obtaining or attempting to obtain prior to an examination, copies of the examination or the questions to appear on the examination.
3. Obtaining or attempting to obtain any unauthorized knowledge regarding the exam or the questions to appear on the examination from another student who possesses information regarding the contents of the exam.
4. Disseminating any written or verbal information regarding the contents of an examination to students who have not yet completed or taken said examination.
5. Utilizing or consulting any unauthorized information, such as notes or books, during an examination.

PLAGIARISM

Plagiarism is the act of presenting the intellectual work of others (words, ideas, artwork, computer programming code, etc.) as if it were one's own Some common forms of plagiarism are (1) submitting someone else's paper as one's own; (2) copying a passage from another source without citing the source; (3) expressing a published idea or theory in different words, without crediting the source of the idea. Plagiarism constitutes intellectual dishonesty and undermines trust between members of the college community.

MULTIPLE SUBMISSIONS OF A SINGLE PAPER

A student may not submit the same paper or presentation or other work for credits in two courses within the College without prior written consent from both instructors.

DISCIPLINARY PROCESS FOR CHARGES OF ACADEMIC DISHONESTY

The summary that follows is intended to provide students with the information that they need to make an informed response if they are accused of academic dishonesty.

Violations of the academic honesty policy may be resolved by the instructor of a course. Faculty are encouraged to reach a settlement with the student accused of dishonesty. As part of the settlement, the faculty member must obtain a voluntarily signed admission of guilt from the student, to be submitted to the Office of Academic Affairs and kept on record. Faculty may take action within their normal responsibility for evaluating and grading student work.

If the faculty and student are unable to reach a settlement, charges may be filed with the Dean of Undergraduate Studies (or the Dean of Graduate and Continuing Education, if the student is enrolled as a DGCE student), who will schedule a hearing of the case before the academic honesty hearing committee.

Specific details about the structure of the hearing committee, the timing of the hearing, the hearing process itself, and student rights during the hearing are discussed in the full policy.

The members of the hearing committee will determine the guilt or innocence of the student charged and discuss recommended sanctions with the Dean in the event of a guilty verdict. Sanctions will be imposed by the Dean. For a first offense, a range of sanctions may be imposed, including failure of the course. For a second offense, the range of sanctions may include suspension from the College for one semester. For a third offense, the range of sanctions may include permanent suspension from the College.

A student may appeal the decision of the hearing committee and/or the sanction imposed. Appeals must be submitted in writing, within seven days of notification of the outcome of the hearing, to the Vice President for Academic Affairs.

Students accused of academic dishonesty are protected by the following rights: (1) The student is presumed innocent until proven guilty; (2) The student retains student status until the conclusion of proceedings, though no degree will be awarded until the matter is resolved; (3) The student may be advised by counsel, though counsel may not speak for the student; (4) The student will be notified in writing of all charges, as well as the date, time and place of any scheduled hearings; (5) The student will be permitted to examine all evidence to be used against the student not later than seven days prior to the scheduled hearing.

Official records of disciplinary action will be maintained in the Office of Academic Affairs. Access to these records is restricted to the Vice President of Academic Affairs (or designate), the Deans of Undergraduate Studies and Graduate and Continuing Education, and all faculty, provided that the request is made in writing and states the reason for the request. All files must be viewed in the Academic Affairs Office and may not be copied in whole or in part.

LAB AND CLASSROOM USE

The primary use of laboratory and classroom space is for instruction purposes. Consequently, priority for room use will be given to faculty holding classes.

Please note: Faculty holding classes in computer laboratories or other specialized facilities have the right to ask students (or staff) who are not part of the class to leave. Faculty reserve the right to allow students (or staff) to work independently in the room during class time.

To assist in the use of specialized facilities, a classroom use schedule is posted. Please schedule your work accordingly. Any member of the College community who wishes to schedule specialized facilities must make arrangements in accordance with normal classroom scheduling procedures.

COPYING COMPUTER SOFTWARE

The software installed on the College computers is protected by copyright laws, and the College has purchased the right to run this software. It does not have the right to make unlimited copies of this software. Making unauthorized personal copies of installed software is against the law.

NON-ACADEMIC POLICIES

ALCOHOL AND OTHER DRUG POLICY

The Westfield State College Policy and Regulations pertaining to the possession and consumption of alcoholic beverages and the possession, use, sale and distribution of other drugs are designed (1) to conform to the Massachusetts laws, which subject violators to criminal prosecution, and (2) to enhance the health, safety, property, and educational interests of all members of the College community. Accordingly, the College recognizes that certain conduct proscriptions, limitations, and guidelines, which are outlined in the 2000-2001 Westfield State College Student Handbook are necessary.

All violators of these regulations will be brought before the student judiciary for disposition of their cases. Alcohol offenses are subject to the following sanctions:

First Offense: Five hours of participation in community events or an educational work project. Suspension from the College for five (5) consecutive weekends and attendance at substance education classes. Failure to participate in community events or work project prior to the fifth weekend of suspension will result in an automatic continuation of weekend suspension from the college campus until such time as the participation in community events or work project is completed. A $50 fee will be assessed for on-campus substance education classes and made payable within thirty (30) days of a College judicial procedure decision. (This substance education and substance education service fee apply once only and will not be repeated each year.)

Second Offense: Suspension from College housing for one (1) academic semester or more with readmission to occur after verification of counseling evaluation and aftercare.

Third Offense: Suspension from College for one (1) academic semester or more with readmission to occur after verification of counseling evaluation and aftercare.

Major Alcohol Offenses: The following violations shall meet minimally with an immediate suspension from housing for one (1) full academic semester or more:

1. The possession or use of alcoholic beverage containers such as kegs or beer balls or the functional equivalent (whether full, partially full or empty) as well as punch bowls or any container with the capacity of more than four liters, (whether full or partially full), in any College building or on any College grounds, is prohibited and shall constitute a major infraction of College regulations.
2. The delivery, gratuitously or for sale, of alcoholic beverages to a person under the age of twenty-one (21) is prohibited and shall constitute a major infraction of College regulations.
3. Unlawful alcohol gatherings of any nature, defined as gatherings where alcohol is present and any violation(s) of the student conduct code occur, or guests exceed numbers allowed, or where guests under the age of twenty-one (21) are present, are prohibited and shall constitute a major infraction of College regulations.

Note: Failure of a student to follow through with a sanction will result in the automatic elevation of the sanction to the next level after the failure is proven through due process procedures published in the Student Judicial Code. Individual exceptions regarding the modification of attendance at substance education classes will be based solely on academic reasons.

The use or possession of drug paraphernalia on the Westfield State College campus is strictly prohibited. Any student found in possession of drug paraphernalia and found responsible for such possession shall be placed on College probation for one (1) academic year and shall be required to attend on-campus substance education classes and pay the service fee of $50 for these classes within thirty (30) days of a College judicial procedure decision. A student found responsible for a second offense shall be subject to College housing suspension for one (1) full academic semester or more and a counseling evaluation and follow-up. After a second offense, a student shall be subject to College suspension for one (1) full academic semester or more. Prior to returning to College housing and/or College, the student must provide verification of counseling evaluation and follow-up. Note: Drug paraphernalia which contains matter that tests positive for an illicit substance may constitute possession.

Drug Use or Possession: The Westfield State College Board of Trustees in upholding state laws and regulations and in supporting the mission of the College requires its agents to enforce College regulations regarding the unlawful use or possession of controlled substances and drugs on the Westfield State College campus. Any student found in possession of an illegal drug substance in any amount or found to be using such illicit substance and found responsible of such possession or use shall (this applies only to first-time offenders) be suspended from housing for one (1) academic semester or more with readmission to occur after verification of counseling evaluation and aftercare. In addition the student will attend on-campus substance education classes and be assessed a $50 service fee for these classes made payable within thirty (30) days of a College judicial procedure decision.

Any student found guilty of a second offense of possession or use of an illegal drug substance shall be suspended from the College for one (1) academic year or more with the possibility of returning to the College pending counseling evaluation and aftercare and by the decision of the Vice President, Student Affairs with no right of return after a third offense.

Possession with Intent to Sell or Distribute:

1. Any student found responsible for possession with the intent ot sell or distribute an illicit substance will be expelled from the College with no right of return.
2. Evidence indicating possesssion with intent to sell or distribute any illicit substance may include possession of a large amount of an illicit drug substance or possession of any amount of an illicit drug substance combined with other evidence indicating intent to sell or distribute such as, but not limited to, weighing devices, cash boxes, bank rolls/large sums of money, cultivating equipment, chemicals used in the manufacture of illicit substances, plastic bags or other quantifying devices.

Drug Sale or Distribution: Any student found responsible of the sale or distribution of controlled substances or drugs on the Westfield State College campus by the College Student Judicial System will immediately be expelled from the College with no right of return.

Tobacco Products: In considering the dangers of second-hand smoke and in following the national trends in reducing tobacco-related health risks, the use of tobacco products (i.e. cigars, cigarettes, pipes, chewing tobacco and other usable forms of tobacco) shall be prohibited inside of any campus building except in those areas otherwise permitted by College/housing policy and regulations.

Other Drugs: While Westfield State College regulates the consumption of alcoholic beverages and prohibits the use of illicit drugs, the College in promoting an environment directed toward wellness, recognizes that other legal substances may be used in harmful and abusive ways. In an effort to promote personal growth and problem solving without the use or abuse of substances, Westfield State College strongly discourages the abuse of any over-the-counter substances or prescription drugs. If the College has reasonable cause to believe that a student is abusing such drugs, the College may require a student to attend counseling evaluation and aftercare.

THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT

The Family Educational Rights and Privacy Act of 1974 (FERPA) which took effect on November 19, 1974, assures confidentiality of education records containing information directly related to a presently enrolled student, a former student or alumnus/a.

Unless a student specifically requests in writing from the registrar that his/her prior consent be obtained, an educational institution may make public "Directory Information" about a student, which includes name, address, date and place of birth, telephone listings, schools attended, degrees and awards received, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, most recently attended educational institution. However, to protect the safety and security of our students, Westfield will release only local telephone numbers and will not release address information, except in the context of requests under the Freedom of Information Act.

A request made by students to suppress from public distribution the above mentioned information is to be made in writing annually to the Registrar, no later than October 1 of the academic year for which the information is being made public.

As this law is interpreted at Westfield State College, the College may not release information about a student's academic performance or any other aspect of a student's college life to anyone, including the student's parents, without the written authorization of the student. If a student is declared as a dependent on a parent's Federal Income Tax Form, the parent has a right to this information. It is up to the parent to establish the dependent status of the student, or to the student to provide written authorization to the college to release such information to the parent. Other exceptions to FERPA are provided by law and are published in the Student Handbook.

Further information on the Family Education Rights and Privacy Act of 1974 may be obtained from the Office of the Registrar or the Vice President, Student Affairs.

MEDICAL HISTORY FORM AND EVIDENCE OF IMMUNIZATION

In order to be registered at Westfield State College, every full-time student must present to the Department of Health Services a completed Westfield State College Health Form, which contains a physician's certificate of a physical examination and immunization. Students may be registered on the condition that the required immunizations be obtained within 30 days of registration (see 105 Code of Massachusetts Regulations 220.600 and Massachusetts General Laws Chapter 76, section 15c). Students who fail to submit the required Health Form will be administratively withdrawn. A reinstatement fee will be charged after receipt of the required form.

AFFIRMATIVE ACTION, NON-DISCRIMINATION AND DIVERSITY

The College maintains and promotes a policy of non-discrimination on the basis of race, creed, religion, color, gender, sexual orientation, age, disability, veteran status, marital status and national origin. This policy incorporates by reference and where applicable the requirements of Federal Executive Orders 11246 and 11375 as amended; the Civil Rights Act of 1988; the Civil Rights Act of 1991; Title IX of the Higher Education Amendments of 1972 as amended; Section 503 and 504 of the Rehabilitation Act of 1973; the Americans with Disabilities Act of 1990; Section 402, Vietnam Era Veterans Readjustment Assistance Act of 1974; and pertinent Laws, Regulations and Executive Orders; directives of the Board of Higher Education, the Board of Trustees of Westfield State College and the Commonwealth of Massachusetts, and other applicable local, state and federal statutes.

Non-discrimination requires the elimination of all existing discriminatory conditions, whether purposeful or inadvertent. Westfield State College shall systematically examine all policies and procedures to be sure that they do not, if implemented as stated, operate to the detriment of any person on the basis of race, creed, religion, color, gender, sexual orientation, age, disability, veteran status, marital status or nation[al] origin.

Westfield State College is committed to a policy of affirmative action, equal opportunity, non-discrimination and diversity. It is committed to providing a learning, working and living environment for its students, employees, and other members of the College Community that values the diverse backgrounds of all people...The College believes that the diversity of socioeconomic, racial, ethnic, religious, gender, sexual orientation, age and disability backgrounds of members of the College Community enriches the institution. The Colleges will not tolerate behavior based in bigotry which has the effect of discriminating unlawfully against any member of the community.

Excerpted from the Personnel Section of the Westfield State College Policy and Procedures Manual, Policy Number 2020.

SEXUAL HARASSMENT

It is against the policy of Westfield State College for any member of the College Community, male or female, to sexually harass another employee, student, or other person having dealings with the institution. The College is committed to providing a working, living and learning environment that is free from all forms of sexually abusive, harassing or coercive conduct. This policy seeks to protect the rights of all members of the College Community (faculty, librarians, administrators, staff and students) and other persons having dealings with the institution, to be treated with respect and dignity.

Sexual harassment is a form of behavior which fundamentally undermines the integrity of academic and employment relationships. It is of particular concern within educational institutions where all members of the community, but especially students, faculty, librarians, staff and administrators are connected by strong bonds of intellectual interdependence and trust. Both the Federal Courts and the Equal Employment Opportunity Commission have ruled that sexual harassment constitutes sex discrimination as defined under Title VII of the Civil Rights Act of 1964. Sexual harassment has also been judged to be prohibited sex discrimination under Title IX of the Higher Education Amendments of 1972 as amended, and under Chapters 151B and 151C of the Massachusetts General Laws.

Sexual harassment consists of unwelcome verbal, non-verbal and/or physical behavior of a sexual nature which has the effect of interfering with student, employment, academic or other status, or of creating a sexually intimidating, hostile, or offensive environment. Sexual harassment incidents can involve a male harasser and a female victim, a female harasser and a male victim, or same gender harassment.

Unwelcome sexual advances, requests for sexual favors and other verbal or physical conduct of a sexual nature constitute sexual harassment when: a. submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or education; b. submission to, or rejection of, such conduct by an individual is used as a basis for academic or employment decisions affecting that individual; or c. such conduct has the purpose or effect of substantially interfering with an individual's academic or professional performance or creating a sexually intimidating, hostile or offensive employment, educational or living environment.

Examples of sexual harassment may include, but are not limited to: verbal harassment or abuse; subtle pressure for sexual activity; sexual remarks about an individual's or group's clothing, body or sexual activities; unnecessary touching, patting, or pinching; demands for sexual favors accompanied by implied or overt threats or offers concerning one's job, grades, letter of recommendation, etc.; physical sexual assault.

Under this policy, consenting romantic and/or sexual relationships between faculty and student, librarian and student, administrator and student, classified staff member and student, or supervisor and employee are deemed unprofessional...

Codes of Ethics for most professional associations forbid professional/client sexual relationships. In this context and for purposes of this policy, the professor/student relationship is properly regarded as one of professional and client. The respect and trust accorded a professor by a student, as well as the power exercised by the professor in giving praise or blame, grades, recommendations for further study and employment, and other benefits or opportunities diminish the student's actual freedom of choice such that relationships thought to be consensual may in fact be the product of implicit coercion. Many elements of the administrator/student, librarian/student, classified staff member/student and the supervisor/employee relationship are similar to those of the professor/student relationship because of a similar imbalance of power and a similar need for trust. For purposes of this policy, therefore, these relationships are also discouraged and looked upon with disfavor.

Excerpted from the Personnel Section of the Westfield State College Policy and Procedures Manual, Policy Number 2100.

DISCRIMINATION COMPLAINT PROCEDURE

A person who believes that s/he has been discriminated against on the basis of race, color, religion, national origin, gender, sexual orientation, age, disability, marital or veteran status may: a. File an informal claim either permitting or not permitting the use of his/her name, in an effort to resolve the matter; b. File a formal complaint either with or without first filing an informal claim; c. Proceed from an informal claim to a formal complaint; d. If provided for by law, file a charge directly with the local, state, or federal agency having appropriate jurisdiction.

Information and assistance on any of these options are available from the Director of Equal Opportunity, 333 Western Avenue, Second Floor, West Wing, 572-5216. Complete information on Complaint Procedures may be found in the Personnel Section of the Westfield State College Policy and Procedures Manual, Policy Numl 2070.

HAZING LAW - CHAPTER 665

Students are advised to be familiar with the Massachusetts General Laws, Chapter 269, Sections 17, 18, and 19 relative to the crime of hazing. A copy of the law is printed in the Student Handbook, distributed to all full-time students once a year.

PARKING PRIVILEGES

All cars parked on campus must be registered and display a valid parking decal. Commuting students are allowed to purchase one (1) "C" decal that allows parking in the Commuter Lots. When the lots are full, commuters are expected to park in the South Lot.

Resident students will be allowed to purchase one (1) decal on a class membership priority basis. Freshmen resident students must request special permission from the Parking Clerk to be allowed a car on campus for the regular school year.

All resident students are required to park at all times in the lot designated by their parking decal (with the exception of resident students assigned to South Lot, who may park in the Commuter Lot during some weekend hours). Parking elsewhere on campus is not allowed, and is subject to ticketing and/or towing at the owner's expense.

If you have any questions regarding parking, please contact Public Safety staff at (413) 572-5262.

BACHELOR DEGREES BY MAJOR

Westfield State College students are awarded a Bachelor of Arts Degree, a Bachelor of Science Degree, or a Bachelor of Science in Education Degree, upon completion of the course of study required in their major field. See department course listings for specific major requirements.

BACHELOR OF ARTS DEGREE

Art
Economics
English
History
Liberal Studies
Mass Communication
Mathematics
Music
Political Science
Psychology
Social Work
Sociology

BACHELOR OF SCIENCE DEGREE

Biology
Business Management
Computer Science
Computer Information Systems
Criminal Justice
Environmental Science
General Science
Liberal Studies
Movement Science
Regional Planning

BACHELOR OF SCIENCE IN EDUCATION DEGREE

Elementary Education
(includes Early Childhood Education)
Special Education

GRADUATE DEGREES

MASTER OF ARTS DEGREE

English
Standard Certification Option Available
Psychology

MASTER OF SCIENCE DEGREE

Criminal Justice

MASTER OF EDUCATION DEGREE
(Non-Certification Degree Programs)

American History
Early Childhood Education
Educational Administration
Elementary Education
Occupational Education
Physical Education
Secondary Education
Special Education
Technology for Educators

CLINICAL MASTER OF EDUCATION DEGREE
(Standard Certification Degree Programs)

Administration of Special Education
Early Childhood Education
Elementary Education
Physical Education
School Principal (Elementary, Middle, or Secondary)
Secondary Education
- Biology
- Chemistry
- General Science
- History
- Mathematics
- Social Studies

Special Education (Pre K-9, 5-12, Intensive)
Teacher of Reading

CERTIFICATE OF ADVANCED GRADUATE STUDY

Administrator of Special Education
Educational Administration
Occupational Education
School Principal

COURSE PATTERN FOR A DEGREE

One hundred and twenty credits are required for graduation. These credits are distributed among courses required for the chosen academic major; courses that satisfy the common core; and electives, which may include courses that fulfill the requirements of an academic minor.

COMMON CORE

All students must complete a core of studies, distributed among the different academic areas as follows:

Humanities (18 credits)	
English Composition	(6)
Literary and Philosophical Analysis	(6)
Appreciation of the Arts	(6)
Social Science (12 credits)	
United States History and Government	(3)
Social Understanding	(9)
Mathematics/Applied Analytical Reasoning (6-8 credits)	
Traditional Mathematics	(3 - 8)
Applied Analytical Reasoning	(0 - 4)
Science (7-8 credits)	
Laboratory Science	(4 - 8)
Allied Science	(0 - 4)
Diversity (6 credits)	
Global	(3)
United States	(3)
Upper Level (6 credits)*	

*Note: Because Curriculum Committee has not yet taken action on courses for which Upper Level inclusion has been requested, students are not yet expected to meet the Upper Level requirement.

Because courses may satisfy more than one distribution area, the total number of credits a student will need to satisfy the core will vary, according to the specific courses chosen. For example, a single course may satisfy both a Literary and Philosophical Analysis requirement and an Upper-Level requirement; or a course may be designed to satisfy both a Social Understanding and a Diversity requirement.

In keeping with the College's mission to assist its students to develop intellectually and to use their knowledge to improve the conditions of their communities, the Core has been designed to introduce students to a variety of academic disciplines and social issues.

For each area in the core a set of goals has been established, offering students an opportunity to develop the critical skills needed to deal effectively with a variety of academic disciplines and concepts. The foundations of the Common Core are disciplinary forms within which students select specific courses. One of the goals of the Common Core is to introduce students to areas of study which are seen as necessary ingredients for a cultivated, humane life.

In meeting the requirements of the Common Core, Westfield students acquire:

1. The capacity to communicate clearly in one or more natural languages
2. The capacity to understand literary and philosophical responses to fundamental questions of the human condition
3. An appreciation for creative expression and aesthetic issues through study of the arts
4. An understanding of United States government, history and the processes of democratic citizenship
5. The capacity to understand the workings of society and its institutions
6. An ability to use mathematics to solve problems and to reason logically and analytically
7. An understanding of scientific theory and methodology as well as an appreciation of physical and natural processes
8. An understanding of the social and conceptual foundations among people, such as race, class, gender, or ethnicity
9. An opportunity to extend their understanding of a subject beyond the introductory level and to appreciate the value of multi-disciplinary approaches to areas of inquiry

The Core is a work in progress. Academic departments are still in the process of reviewing their curricula for courses that meet current core standards, and are also developing new courses for core inclusion.

COMPOSITION COMPONENT OF CORE

All full-time students must complete ENGL 0101 and ENGL 0102, English Composition I and II. These two courses constitute a unit. which all students must complete within the first two semesters in which they are enrolled at Westfield State College. Any exceptions to this policy must be approved by the Chair of the English Department. Note that students are not permitted to withdraw from ENGL 0101 or ENGL 0102 and that both courses are a pre-requisite for 0200 level core English classes.

MAJOR

Courses in this segment are prescribed by the department wherein the major is housed and total approximately forty hours of credit. For specific major program requirements, see the departmental section in this Bulletin.

MINORS

A student may also earn a minor in an academic area different from the major as part of his/her course of study. Details about specific minors are included in the departmental listings.

Westfield State College students may minor in many of the academic areas in which majors are offered, as well as in the following areas:

Cartography
Chemistry
Commercial Recreation and Tourism
Finance (Economics majors)
French
Geography
German
Italian
Latin American Studies
Literature
Multicultural and Ethnic Studies
Philosophy
Reading (Education majors)
Sociology
Spanish
Theatre
Wilderness Leadership
Women's Studies
Writing

ELECTIVES

Students select elective courses according to their personal interests, except for the students majoring in elementary or special education, who may be required to take specific electives to satisfy certification requirements.

COMMON CORE OF STUDIES

HUMANITIES SECTION (18 hours required, 6 hours from each area)

ENGLISH COMPOSITION (6 hours)

English

ENGL 0101 & 0102	English Composition I and II
ENGL 0105 & 0110	English Comp I and II (HNRS)

LITERATURE AND PHILOSOPHICAL ANALYSIS (6 hours)

Communication

MCOM 0207	Communication Ethics

Education

EDUC 0207	Philosophy of Education

English

ENGL 0210	British Literature to 1603
ENGL 0211	British Literature 1603-1780
ENGL 0212	British Literature Since 1780
ENGL 0213	Major British Writers
ENGL 0215	Major American Writers
ENGL 0216	Nineteenth Century American Lit
ENGL 0217	Modern American Literature
ENGL 0221	World Literature to 1750
ENGL 0222	World Literature Since 1750
ENGL 0228	Introduction to Shakespeare

Philosophy

PHIL 0101	Intro to Social. and Political. Phil
PHIL 0102	Intro to Ethics
PHIL 0104	Great Philosophical Issues
PHIL 0109	Intro to Philosophy of Religion
PHIL 0110	Intro to Philosophy of Science
PHIL 0211	Asian Philosophy

Languages

LCUL 0211	French Heritage I (in English)
LCUL 0212	French Heritage II (in English)
LFRE 0201	Reading French Texts
LFRE 0210	Studies in Literature of Africa
LFRE 0211	French Heritage I
LFRE 0212	French Heritage II
LLIT 0201	Women Writers of Americas:Global
LLIT 0202	Women Writers of Americas:US
LLIT 0210	Studies in Literature of Africa
LLIT 0220	Studies in European Cultures
LLIT 0310	Studies in Hispanic Civilization
LSPA 0201	Reading Spanish Texts

APPRECIATION OF THE ARTS (6 hours)

Art

ART 0104	Design Fundamentals
ART 0106 & 0107	Art Survey I & II
ART 0108	Intro to Computer Graphics
ART 0260	Women Artists of Western World

Theatre

ENGL 0104	Intro to Theater
ENGL 0121	Acting Styles and Periods

Film

MCOM 0210	Film as Mass Communication

Music

MUSC 0101 & 0103	Music Appreciation
MUSC 0110 & 0111	Basic Music Theory
MUSC 0160	History of Jazz

SOCIAL SCIENCE SECTION (12 hours required; at least 3 must be from U. S. History and Government area)

U. S. HISTORY AND GOVERNMENT (3 hours)

History

HIST 0130	U. S. History and Government

Political Science

POLS 0101	American National Government
POLS 0103	State and Local Government

SOCIAL UNDERSTANDING (9 hours)

Communication

MCOM 0101	Intro to Mass Communication

Computer Science

CAIS 0101	Computers and Society

Criminal Justice

CRJU 0101	Intro to Criminal Justice
CRJU 0205	American Judicial Systems

Economics

ECON 0101	Principles of Macroecononics
ECON 0102	Principles of Microecononics

Education

EDUC 0220	Schools in American Culture

Geography

GARP 0101	World Regional Geography

History

HIST 0101&0102	Western Experience I & II

Languages

LANG 0210	Language, Culture and Society
LCUL 0220	Envisioning the Americas

Psychology

PSYC 0101	Introduction to Psychology

Sociology

SOCI 0101	Principles of Sociology

MATH/APPLIED ANALYTICAL REASONING SECTION (6 hours required, 3 must be from traditional math area)

TRADITIONAL MATHEMATICS

Mathematics

MATH 0104	Precalculus
MATH 0105&0106	Calculus I & II
MATH 0108	Elementary Statistics
MATH 0110	Mathematical Explorations
MATH 0111	Mathematical Applications
MATH 0115	Math for Business and Soc Sci
MATH 0150	Foundations: Math Reasoning

APPLIED ANALYTICAL REASONING

Computer Science

CAIS 0117	Intro Comp Programming BASIC
CAIS 0120	Computer Sci Program Design

Economics

ECON 0204	Intro to Mathematical Economics
ECON 0305	Intro to Econometric Methods

Geography

GARP 0346	Quantitative Methods

Philosophy

PHIL 0103&0206	Symbolic Logic I & II

SCIENCE SECTION (7 hours required, 4 must be from laboratory science area)

LABORATORY SCIENCE

Biology

BIOL 0102	Environmental Biology
BIOL 0104	Human Biology
BIOL 0106	Biology Today

Physical Science

PHYS 0101	Physical Science
PHYS 0103	Physical Geology
PHYS 0104/0105	Physical Geology
PHYS 0107	Introduction to Chemistry
PHYS 0109&0111	General Chemistry I & II
PHYS 0113	Introduction to Physics
PHYS 0115&0117	General Physics I & II

Geography

GARP 0102	Physical Geography

ALLIED SCIENCE

Physical Science

PHYS 0104	Physical Geology
PHYS 0106	Historical Geology
PHYS 0133	Astronomy

Movement Science

MOVP 0100	Intro to Exercise Science

DIVERSITY SECTION (6 hours required, 3 from each area)

GLOBAL

Communication

MCOM 0222	Intercultural Communication
MCOM 0306	International Communication

English

ENGL 0221	World Literature to 1750
ENGL 0222	World Literature Since 1750
ENGL 0224	World Ethnic Literature
ENGL 0326	Women Writers

History

HIST 0150	History of Non-Western World

Geography

GARP 0210	Cultural Geography

Languages

LCUL 0201	Women in the Hispanic World
LCUL 0211	French Heritage I
LCUL 0212	French Heritage II
LCUL 0220	Envisioning the Americas
LFRE 0102	French II
LFRE 0103	French III
LFRE 0104	French IV
LFRE0 201	Reading French Texts
LFRE 0205	Speaking & Writing French Inter
LFRE 0210	Studies in Literature of Africa
LFRE 0211	French Heritage I
LFRE 0212	French Heritage II
LFRE 0305	Speaking & Writing French Adv
LLIT 0201	Women Writers of Americas:Global
LLIT 0210	Studies in Literature of Africa
LLIT 0220	Studies in European Cultures
LLIT 0310	Studies in Hispanic Civilization
LSPA 0102	Spanish II
LSPA 0103	Spanish III
LSPA 0104	Spanish IV
LSPA 0201	Reading Spanish Texts
LSPA 0215	Speaking &Writing Spanish Inter
LSPA 0315	Speaking &Writing Spanish Adv

Women's Studies

WSTP 0101	Intro to Women's Studies

UNITED STATES

Communication

MCOM 0212	Film and Gender

Education

EDUC 0380	Multicultural Education

English

ENGL 0226	Ethnic Literature of the U. S.
ENGL 0324	Black American Literature

Languages

LANG 0210	Language, Culture and Society
LCUL 0210	Hispanic Cultures in the U. S.
LLIT 0202	Women Writers of the Americas: US

Multicultural and Ethnic Studies

MCES 0101	Intro Multicultural and Ethnic Studies

Music

MUSC 0160	History of Jazz

Women's Studies

WSTP 0201	Women in Modern Organizations

COURSE NUMBERING PRACTICES

In this catalogue, there are separate sections for each academic department and inter-disciplinary program within the College. These are arranged alphabetically.

FREQUENCY OF OFFERINGS

Not every course listed in this Bulletin is offered annually. Definite information about course offerings and class hours is available at the time of registration through the Office of the Registrar. Insufficient enrollment or changing conditions may occasionally necessitate the withdrawal of scheduled courses.

Please check with appropriate departments to determine if the courses sought are being offered and when they are scheduled. This will be important in planning a program of classes for the year, and for designing a four-year program in order to meet degree requirements.

NUMBERING SYSTEM

The course numbering system is as follows:

0100 Lower Level Courses
0200 Upper Level Courses (Undergraduate credit only)
0300 Upper Level Courses (Undergraduate credit only)
0500 Graduate Credit Courses
0600 Graduate Credit Courses
0700 Graduate Credit Courses

DEPARTMENT IDENTIFIERS

ART	Art
BIOL	Biology
CAIS	Computer and Information Science
CRJU	Criminal Justice
ECON	Economics and Management
EDUC	Education
ENGL	English
ENVS	Environmental Science
GARP	Geography and Regional Planning
HIST	History
IDIS	Interdisciplinary Studies
LANG	Foreign Languages/General
LCUL	Foreign Languages and Literatures/Culture
LFRE	Foreign Languages/French
LGER	Foreign Languages/German
LIBR	Library Studies
LITA	Foreign Languages/Italian
LJAP	Foreign Languages/Japanese
LPOR	Foreign Languages/Portuguese
LSPA	Foreign Languages/Spanish
MATH	Mathematics
MCES	Multicultural/Ethnic Studies
MCOM	Communication
MGMT	Economics and Management
MOVH	Movement Science/Health
MOVP	Movement Science/Physical Education
MOVR	Movement Science/Recreation
MUSC	Music
PHIL	Philosophy
PHYS	Physical Science
POLS	Political Science
PSYC	Psychology
SOCI	Sociology
SOCW	Social Work
WSTP	Women's Studies

ART

The emphasis in the visual arts program is placed on the development of a strong two-dimensional capability through drawing and painting.

In addition to the major program, the Art Department offers various minors and concentrations. Internships are available in the Graphic Design concentration as well as the Teaching Certification concentration. All courses are open to students who meet the proper prerequisites.

The Arno Maris Art Gallery, located in the college library, is staffed by the Art Department and presents national and international exhibitions, as well as an annual student exhibition. The department also maintains a College Collection containing many fine works of art which are exhibited periodically.

The art studios are open to all art majors for all of their studio-related projects. Students may participate in various fine arts clubs which, along with the department, sponsor field trips to galleries throughout the year. Field trips to galleries in New York City and Boston are a regular part of student activities.

REQUIREMENTS FOR ART MAJORS

ART 0100	Materials and Safeguards	(1)
ART 0104	Design Fundamentals	(3)
ART 0209	Color Theory and Practice	(3)
ART 0103	Drawing I	(3)
ART 0330	Anatomy for the Artist	(3)
ART 0301	Drawing II	(3)
ART 0102	Painting I	(3)
ART 0202	Painting II	(3)
ART	One advanced painting course	(3)
ART 0204	Pottery I	(3)
ART 0201	Printmaking I	(3)
ART 0205	Sculpture I	(3)
ART	One studio elective *	(3)
ART	Two advanced level art history courses	(6)

One of the following:

ART 0303	Printmaking II	(3)
ART 0304	Pottery II	(3)
ART 0305	Sculpture II	(3)

* Note: Students completing an Art Certification Program must take ART 0108 Introduction to Computer Graphics as their studio elective.

Art majors are also expected to take ART 0106 and ART 0107, Art Survey I and II to satisfy the Fine Arts requirement of the common core.

Art majors must complete a minimum of 27 credits of course work within the Art Department at Westfield State. Students are advised to consult their advisors for information on course sequencing and general core requirements.

Art majors intending to pursue graduate work beyond their major are advised to take additionally recommended studio courses of their choice. It is also advisable to include more than the minimum requirements in Art History.

GRAPHIC DESIGN CONCENTRATION for ART MAJORS

For Art Majors interested in a career in Graphic Design or Commercial Art, the following courses are recommended as a BASIC program:

Graphic Design Courses - 18 credit hours:

ART 0108	Computer Graphics for Art Applications I	(3)
ART 0206	Introduction to Electronic Publication Design	(3)
ART 0328	Graphic Design I	(3)
ART 0210	Typography	(3)
ART 0212	Computer Graphics for Art Applications II	(3)
ART 0344	Graphic Design II*	(3)

*Three one-credit courses in the computer graphics area, such as Photoshop, Quark Express, or Illustrator, may be substituted for ART 0344.

The Advanced Graphic Design Program includes all the BASIC courses plus the following:

ART 0329	Illustration I	(3)
ART 0348	Portfolio Preparation	(3)
ART 0340	Graphic Design Internship	(3-12)
ART 0343	Illustration II	(3)

GRAPHIC DESIGN INTERNSHIP

The Graphic Design Internship prepares the student for work in the Graphic Design field. The Internship is usually a full-time on-the-job placement in an advertising agency or company art department. Alternative scheduling can be arranged, if necessary.

All Art Major requirements, the Basic Graphic Design Program, and the Portfolio Preparation class should be completed prior to internship placement. A cumulative grade point average in the Graphic Design Program courses is required for internship placement. Acceptance is by application and approval of the Graphic Design Coordinator and the Department Chairperson.

ART MAJOR/FINE ARTS CONCENTRATION

For the art major who is interested in a career in fine arts or preparation for graduate school in studio art (MFA), an additional 18 credits of 200 and 300-level courses are recommended beyond the art major requirements, to be selected from the following:

Advanced Studio Courses	(3-6)
Advanced Drawing	(3)
Advanced Elective	(3)
ART 0348 Portfolio Preparation	(3)
ART 0399 Thesis	(3-6)

ART CERTIFICATION PROGRAM

Students wishing to be certified to teach art, must complete all the requirements of the Art major. They must also complete an additional 26 credit certification sequence for either Elementary (N-9) or Secondary (5-12) certification, as follows:

ELEMENTARY

EDUC 0221	Students with Special Needs	(3)
EDUC 0380	Multicultural Education	(3)
ART 0323	Introduction to Art Education	(3)
ART 0324	Art Methods/Materials	(3)
ART 0322	Art Education Curriculum (Elementary)	(3)
PSYC 0202	Child Psychology	(3)
ART 0331	Practicum (N-9)	(6)

SECONDARY

EDUC 0221	Students with Special Needs	(3)
EDUC 0380	Multicultural Education	(3)
ART 0323	Introduction to Art Education	(3)
ART 0324	Art Methods/Materials	(3)
ART 0322	Art Education Curriculum (Secondary)	(3)
PSYC 0203	Adolescent Psychology	(3)
ART 0351	Practicum (5-12)	(6)

In addition, during the last semester of their senior year, students must take a 2 credit practicum seminar.

NOTE: A MINIMUM CUM OF 2.8 IS REQUIRED FOR A PRACTICUM PLACEMENT

Every effort will be made to provide a timely sequence of courses in order to fulfill graduation and teaching certification courses, but there may be instances where this is impossible.

If any questions arise concerning sequence, time of student teaching, etc., please contact the Program Coordinator, Art Education Certification.

The Interstate Certification Compact (I.C.C.) is a legally based teacher certification reciprocity agreement among 32 states. Its value for students is that it provides reciprocal certification in the member states. Membership in I.C.C. is often an aid in job acquisition in non-member states as well.

The following states are I.C.C. certified:

Alaska	Maryland	Rhode Island
California	Massachusetts	South Carolina
Connecticut	Minnesota	South Dakota
Delaware	Nebraska	Utah
Florida	New Hampshire	Vermont
Hawaii	New Jersey	Virginia
Idaho	New York	Washington
Indiana	North Carolina	West Virginia
Iowa	Ohio	Wisconsin
Kentucky	Oklahoma	Panama Canal Zone
Maine	Pennsylvania	

ART MINOR

The Art Minor Program is intended for non-art majors who choose to develop skills or an appreciation of art. Students who wish to minor in art are required to take 18 credit hours within the Art Department. Advisement for the courses to be taken in the minor should be by the Art Department Chair or other designated faculty member.

Student interested in graphic design could complete an Art minor with the following courses:

ART 0104 Design Fundamentals	(3)
ART 0108 Computer Graph for Art Application I	(3)
ART 0206 Intro to Electronic Publication Design	(3)
ART 0212 Computer Graph for Art Application II	(3)
ART 0328 Graphic Design I	(3)
Three 1-credit workshops or other Art elective	(3)

For students interested in a more generic minor in Fine Art, the required 18 credit may be distributed as follows:

ART 0104 Design Fundamentals	(3)
ART 0103 Drawing I	(3)
ART 0102 Painting I	(3)
One or two studio electives	(3-6)
One or two art history courses	(3-6)

Other minor programs can be developed, with advisement by the Art Department, in art history or the fine arts to suit the needs of the student.

ART HISTORY COURSES

ART 0106 ART SURVEY I (3) Major representative works of western art and architecture from prehistoric times through the middle ages will be presented from a critical and historical viewpoint. The student will be introduced to the aesthetic and philosophical principles that underlie all art as well as to the relationship between the visual arts and the culture and society which produced them.

ART 0107 ART SURVEY II (3) The study of western art and architecture from the Renaissance to the present will be presented under the same format as ART SURVEY I.

ART 0260 WOMEN ARTISTS IN THE WESTERN WORLD (3) This course will focus on the significant achievement of women in the arts, presented within a historical and cultural background. It is designed to integrate and redefine women's role in Western Art History, paying particular attention to specific examples from the 17th century to the modern era. No prerequisites, but ART 0107 is recommended or permission of instructor.

ART 0316 HISTORY OF AMERICAN ART (3) A study of the painting, architecture and practical arts in the United States from the period after colonial times to the present.

ART 0319 RENAISSANCE ART (3) A study of the major artistic achievements of the Italian Renaissance from Giotto to Michaelangelo with special emphasis on painting and sculpture.

ART 0321 CONTEMPORARY ARTISTS AND CONTEMPORARY ART (3) Students will be introduced to the works and ideas of modern contemporary American artists since 1950 with reference to the influence of selected European modern artists. Museum trips are included.

ART 0333 EARLY TWENTIETH CENTURY ART (3) A study of modern movements in painting and sculpture from 1900 to 1940 including Fauvism, Cubism, Futurism, and Surrealism.

ART 0334 NINETEENTH CENTURY ART IN EUROPE (3) A study of European painting and sculpture from the Romantic-Classical styles of David and Delacroix through the Post-Impressionism of Paul Gauguin.

ART 0341 17th CENTURY ART (3) A study of formation and evolution of the Baroque movement in European architecture, sculpture and painting. Emphasis will be given to the individual styles and artistic ideas, as shown in works and writings of selected major artists of the 17th century.

ART 0346 JAPANESE ART AND ARCHITECTURE (3) Japanese Art and Architecture, their Chinese sources and problems of evolution. Also, the social and cultural changes with the aesthetic output.

ART 0350 CONTEMPORARY ART AND CONTEMPORARY BEHOLDER (3) This seminar will examine the fundamental characteristic of Modern Art, i.e., its non-realistic nature. Students will study why it has proved difficult for viewers to accept and critics to explain that works of Modern Art are not descriptions or illusions of actuality. Main trends of Modern Art, such as Cubism, Abstractionism, and Abstract Expressionism will be investigated. The works of Picasso, Kandinsky, Malevich, Mondrian and others will be analyzed in relation to traditional Western European Art and the validity of its traditional criteria.

STUDIO COURSES

ART 0100 MATERIALS AND SAFEGUARDS IN ART (1) Is designed to outline the basic art media and materials used in studio art. Emphasis is placed on safeguards in utilizing art materials.

ART 0102 PAINTING I (3) Painting I is an introduction to the craft of painting for those with little or no experience. This course acquaints the student with the fundamental aspects of painting such as canvas preparation, preliminary drawing and basic painting techniques. Emphasis is placed on "how to get started".

ART 0103 DRAWING I (3) Drawing I presents the study of structure in form and space through the creation of three-dimensional illusions on two-dimensional surfaces. Line, texture, value and shape are introduced in addition to linear and atmospheric perspective, life drawing, and various media.

ART 0104 DESIGN FUNDAMENTALS (3) This course explores the interaction of universal visual design elements, concepts, and media. Visual thinking through problem-solving exercises utilizing line, shape, form, texture, tone, color and space as well as the concepts of focal point, unity, variety, direction/movement, motif/pattern, and balance in a progressively complex format insures the understanding of compositional structures. The expressive possibilities of a variety of materials are also explored. [Revised description pending final governance approval]

ART 0201 PRINTMAKING I (3) The basic techniques in intaglio and relief printmaking will be explored. The intaglio procedures of line etching, aquatint, sugarlift and soft ground will be introduced. Collographs (a multimedia technique) and woodcuts (a relief printing process) will also be utilized. Students will create a series of prints in the various techniques and will develop an awareness of the visual and technical aspects of an original print. Prerequisite: ART 0103 and ART 0301 or permission of instructor.

ART 0202 PAINTING II (3) Painting II is a continuation of the fundamental aspects of painting using oil and/or acrylic. Students have the opportunity to paint from the still-life and model in both a representational and non-representational manner. Technical aspects of painting are explored, including the techniques of underpainting and glazing. Prerequisite: ART 0102.

ART 0203 WORKS ON/OF PAPER (3) The intent of this course is to encourage students to develop skill in various techniques and materials applicable to a paper support or ground. This course is for both the Fine Art major and those interested in furthering their illustration techniques. Working in and with paper will be examined through various aqueous media, collage, pastel and mixed media. Prerequisite: ART 0202.

ART 0204 POTTERY I (3) An introduction to all phases of creative ceramics, ranging from hand built pottery to slab sculpture and mosaics. Emphasis will be on exploration of the many decorative, functional and aesthetic aspects of ceramics.

ART 0205 SCULPTURE I (3) Provides an elementary consideration of sculpture through form and composition and includes studies in clay and plaster. There is some work from the human figure. Techniques include mature constructions, direct building in plaster, and casting into plaster and other materials.

ART 0207 WATERCOLOR (3) This course will emphasize the visual dynamics of the watercolor medium: its transparency and ability to interact directly with the paper (ground) to produce colors, textures, and forms. Through a series of exercises, the student will have an opportunity to develop skills and master the techniques of the medium. Prerequisite: ART 0202.

ART 0209 COLOR THEORY AND PRACTICE (3) The study of interaction of color in theory and practice through experimentation with various color media.

ART 0301 DRAWING II (3) Drawing II is a continuation of Drawing I. The focus is on the individual's needs as they develop a basic understanding of drawing. Emphasis is placed on life drawing in various media. Prerequisite: ART 0103.

ART 0302 WATERCOLOR II (3) A continuance of Watercolor Painting I, with mixed media, including gouache. Prerequisite: ART 0207.

ART 0303 PRINTMAKING II (3) A studio course which will further explore and develop the techniques of intaglio, relief, stencil and/or planographic printmaking. The emphasis will be on utilizing the various techniques introduced in Printmaking I and developing a deeper understanding of the visual and technical aspects of an original print. The use of color in the media of concentration will be explored. Prerequisite: ART 0201.

ART 0304 POTTERY II (3) A continuation of Pottery I with emphasis on wheel thrown pottery and individual investigation and experimentation with glazes. Prerequisite: ART 0204.

ART 0305 SCULPTURE II (3) Continuance of Sculpture I. Prerequisite: ART 0205.

ART 0306 TECHNICAL PAINTING (3) An introduction to the craft of painting. This course will explore traditional methods and their application to contemporary problems. The developement of technique will be examined through a study of egg tempera, old master oil techniques, Impressionist style painting and modern masters. There will be frequent demonstrations and direct assistance to students. Prerequisite: ART 0202.

ART 0307 ADVANCED PAINTING (3) This course is designed to allow the painting major who has completed the required painting courses to continue to explore painting in an advanced and individual manner. Technical and formal investigation will be coupled with individual vision. Prerequisite: Permission of instructor.

ART 0308 FIGURE AND/OR LANDSCAPE PAINTING (3) This course may be divided into two segments: painting from the human figure and/or from the landscape. Life painting assignments will involve various painting approaches from the traditional rendering to the use of the figure as the starting point for a more abstract color-space problem. Painting the landscape will involve on-site painting and working from drawings, photographs and the imagination. Media: oil, acrylic and/or watercolor. Prerequisite: ART 0202.

ART 0309 ADVANCED DRAWING (3) A course in Advanced Drawing will develop the student's own direction and personal expression. Prerequisite: ART 0301.

ART 0310 WORKSHOP IN CRAFTS (3) An introduction to a number of crafts and an opportunity to pursue several crafts as chosen. Woodwork, weaving, ceramics, enameling, puppetry, casting, rug designing, fibers and fabrics, basic printing techniques and leatherwork are offered.

ART 0330 ANATOMY FOR THE ARTIST (3) A study of human anatomy including the bone structure, muscles, and proportions. The course will utilize anatomy charts, the skeleton, and live models. Students of dance and drama, as well as students of the visual arts, will benefit from an in-depth study of human anatomy and from an understanding of the human body in movement.

ART 0339 MIXED MEDIA: COLLAGE/ASSEMBLAGE (3) This course integrates painting processes with materials such as wood, metals, fibers, clay and other tactile two and three dimensional media. Prerequisite: ART 0202.

ART 0348 PORTFOLIO PREPARATION (3) A culmination of the Graphic Design Concentration or the Fine Art Studio sequence. Emphasis on portfolio content and arrangement for job placement interviews or graduate school application. Assignment of supplementary art projects to augment portfolio presentation and/or slide reproduction of work. Resume design, preparation, and content also included. Prerequisites: permission of instructor; for senior art majors only.

ART 0349 ABSTRACT PAINTING (3) This course will allow the student to develop compositions and ideas in painting which digress from realistic depiction of subject matter. Analytical abstraction and non-objective content will allow for degrees of abstraction in order to develop, emphasize and reveal qualities of personal points of view as well as personal painting styles. Prerequisite: ART 0202.

GRAPHIC DESIGN COURSES

ART 0108 COMPUTER GRAPHICS FOR ART APPLICATIONS I (3) This introductory computer graphics course allows the student to explore the creative, visual and artistic possibilities which the micro-computer offers. Classwork and lab time on the computer are supplemented with lectures on computer generated art and its potential. Lectures assume no previous knowledge of computers or programming. Students create a variety of projects in the form of slides, animations, and printouts.

ART 0206 INTRODUCTION TO ELECTRONIC PUBLICATION DESIGN (3) This course will be an introduction to basic publication design utilizing software such as Quark Xpress and/or PageMaker. Developing basic design skills for small ads and brochures as well as newsletter grid design in a digital environment will be emphasized. Discussion of output and offset printing will be included. Prerequisites: ART 0104 or "Learning to Use the Mackintosh".

ART 0210 TYPOGRAPHY (3) The communicative and aesthetic aspects of type faces are the focus for this course. Procedures in type specifications for catalogs, books and commercial advertisements are introduced. Assignments will involve using type as the primary element of design. The utilization of electronic publication equipment and software will be stressed. Prerequisites: ART 0108 and ART 0206.

ART 0212 COMPUTER GRAPHICS FOR ART APPLICATIONS II (3) Computer Graphics for Art Applications II is designed to be a sequel to the first semester for computer graphics. The format is slide lectures, classroom and studio lab time. As in the first semester of computer graphics, students have a hands-on experience with various microcomputers. Students also create images via the computer with programming and graphics software utilization in 2-D and 3-D designing.

ART 0328 GRAPHIC DESIGN I (3) A studio course with emphasis on the integration of design fundamentals into graphic communicative forms. Students will be involved in problem-solving experiences in various advertising media. Specific concentration will be on newspaper and magazine advertisements, brochures, television art forms and package designs. Prerequisites: ART 0104 and ART 0206.

ART 0329 ILLUSTRATION I (3) A studio course to introduce the many facets in the illustration field. Students will be involved in various problem solving experiences with concentration on the materials, techniques, and reproduction processes used in magazine, book, technical, and film illustration. The techniques of air brush and photography as illustrative media may also be explored. Prerequisite: ART 0104.

ART 0340 GRAPHIC DESIGN INTERNSHIP (3-12) An opportunity for students who have completed the courses required for the Graphic Design concentration and the portfolio-preparation class. The internship is usually an 8-16 week, full time, on-the-job work experience program in which the student is placed in an advertising agency or graphic design work setting. The student is supervised by the agency director and the internship advisor. The internship experience prepares the student for work procedures in the graphic design field and assists in later job placements. Applications should be made to the Graphic Design Coordinator. Prerequisites: ART 0108, ART 0206, ART 0210, ART 0212, ART 0328, ART 0344 and ART 0348.

ART 0343 ILLUSTRATION II (3) A continuation of the study of techniques and application of illustration in the fields of advertising, book publication and technical journals. Portfolio quality work will be stressed. Prerequisite: ART 0329.

ART 0344 GRAPHIC DESIGN II (3) Graphic Design II continues the study of the graphic communicative forms used in the advertising media. Emphasis is on analyzing assigned problems and choosing appropriate media for final visual presentation. Prerequisites: ART 0108, ART 0206, ART 0210, ART 0212 and ART 0328.

ART EDUCATION COURSES

ART 0322 ART EDUCATION CURRICULUM (3) Curriculum development at either the elementary or secondary level. It includes visits to area schools for the purpose of observations and art curriculum study.

ART 0323 INTRODUCTION TO ART EDUCATION (3) A pre-practicum experience providing students with a working knowledge of the various levels within the public school structure. This experience will be translated into a choice of certification level.

ART 0324 ART METHODS AND MATERIALS (3) The methods, principles and materials for Art Education. Areas included are stages of development, goals of Art Education, personal goals for teaching art, lesson planning and organization and newer media in Art Education. It includes a related pre-practicum experience.

ART 0325 ART IN THE ELEMENTARY SCHOOL K-6 (3) Studio experience with materials related to the art experiences of children. The emphasis will be on giving the prospective teacher a better foundation in understanding and working with art materials and concepts.

ART 0326 PRACTICUM: SEMINAR (ART EDUCATION) (3) The purpose of this course is to have students participating in the practicum (art teaching) share related student teaching problems and successes. Inter-relations between student teachers and pupils will be a prime focus.

ART 0331 PRACTICUM (ART TEACHING K-9) (6-12) Teaching experience within a setting appropriate for the art certification level chosen by the student.

ART 0351 PRACTICUM (ART TEACHING 5-12) (6-12) Teaching experience within a setting appropriate for the art certification level chosen by the student.

ART 0399 INDEPENDENT STUDY (6-12) In History, Studio and Education courses. (By arrangement only.)

BIOLOGY

The Biology Department offers a major in biology with opportunities for concentrations within the major. Students majoring in biology may choose a Comprehensive Major (without a concentration) or a major in biology with a concentration in either Ecology and Environmental Biology or Cell and Molecular biology. The department also offers a program to prepare students for certification for teacher of biology. Included in all these options are opportunities for study in the areas of cellular, ecological, enviromental, molecular, organismal, and physiological biology. Majors will develop an understanding of the diversity, classification, form, function and behavior of living organisms. Students will also learn to design experiments and collect and analyze data while working closely with dedicated faculty. The biology major prepares students for careers or advanced study in a variety of biological and environmental fields, teaching, and professional fields such as medicine.

Facilities available to students include eleven well-equipped laboratories, greenhouses, animal room, aquarium room, teaching collections of plants and animals, and an electron microscope. The forest setting of the college offers ample opportunities for field study. Independent studies and internship programs, on and off campus, are available for biology majors wishing to pursue areas of special interest.

Courses in the common core are Human Biology, Biology Today and Environmental Biology.

REQUIREMENTS FOR THE BIOLOGY MAJOR

All Biology majors must take one introductory level biology course from among the following:

BIOL 0102 Environmental Biology (4)
BIOL 0104 Human Biology (4)
BIOL 0106 Biology Today (4)

Note: These courses may not be counted for both core credit and in fulfillment of the major. Only one introductory course may be counted toward the major.

In addition, all Biology majors must take:

BIOL 0128 Biological Concepts (4)
Two 1-credit departmental seminars (2). These are usually taken in the junior or senior year from among the several offered each semester. These courses are numbered BIOL 0280 - BIOL 0289.

In addition, the Biology major is required to take a minimum of 30 additional credits within the Department, including at least 2 courses at the 300 level. Three or more credits of BIOL 0399, Independent Study, may be substituted for one 0300-level course. Course selections must satisfy one of the following three distribution sequences:

Concentration in Ecology and Environmental Biology
4 courses Group A
1 course Group B
2 courses Group C

Concentration in Cell and Molecular Biology*
1 course Group A
3 courses Group B
3 courses Group C

Comprehensive Major (without a concentration)
2 courses Group A
2 courses Group B
3 courses Group C

* Recommended for students interested in pre-med or medical technology.

Group A - Environmental

BIOL 0200	Natural History in America	(3)
BIOL 0201	General Ecology	(4)
BIOL 0202	Conservation Biology	(4)
BIOL 0208	Marine Biology	(4)
BIOL 0219	Aquatic Biology	(4)
BIOL 0233	Environmental Legislation	(3)
BIOL 0304	Applied Microbiology	(4)
BIOL 0305	Plant Communities	(4)
BIOL 0316	Urban Ecology	(4)
BIOL 0389	Topics in Environmental Studies	(1-3)

Group B - Cellular/Molecular

BIOL 0203	Genetics I	(4)
BIOL 0205	Cell Biology	(4)
BIOL 0210	Histology I	(3)
BIOL 0223	Microbiology	(4)
BIOL 0303	Medical Microbiology	(4)
BIOL 0313	Immunology	(4)
BIOL 0318	Techniques in Histology	(4)
BIOL 0322	Electron Microscopy	(4)
BIOL 0336	Molecular Genetics	(4)
PHYS 0213	Biochemistry	(3)

Group C - Organismal

BIOL 0207	Embryology	(4)
BIOL 0211	Plant Biology	(4)
BIOL 0216	Flora of Massachusetts	(4)
BIOL 0217	Invertebrate Zoology	(4)
BIOL 0221	Vertebrate Physiology	(4)
BIOL 0227	Comparative Vertebrate Anatomy	(4)
BIOL 0230	Evolution	(3)
BIOL 0235	Ornithology	(4)
BIOL 0237	Human Anatomy and Physiology I	(4)
BIOL 0249	Horticulture	(4)
BIOL 0312	Mammalogy	(4)
BIOL 0334	Animal Behavior	(4)

The Biology major is also required to take courses in related departments, as follows:

PHYS 0109 General Chemistry I	(4)
PHYS 0111 General Chemistry II	(4)
PHYS 0201 Organic Chemistry I	(4)
PHYS 0203 Organic Chemistry II	(4)

as well as one of the following:

MATH 0105 Calculus I	(3)
MATH 0108 Elementary Statistics	(3)

Physics, though not required, is recommended for students considering advanced study.

Note that the math and two semesters of chemistry may be used to satisfy the College's math and science core requirements, thereby reducing the total number of credits needed to complete the biology major.

CERTIFICATION FOR TEACHER OF BIOLOGY (9-12)

Students wishing to be certified to teach Biology at the High School level must complete the following:

All courses for the Comprehensive Major in Biology using the course distribution pattern below

The professional sequence for the secondary (9-12) specialist (described in the Education Department section)

BIOL 0290 Teaching Secondary School Biology

NOTE: A MINIMUM GPA OF 2.7 IN BIOLOGY COURSES AND AN OVERALL CUM OF 2.8 ARE REQUIRED FOR A PRACTICUM PLACEMENT

COURSE DISTRIBUTION COMPREHENSIVE MAJOR FOR CERTIFICATION

Group A - Environmental

BIOL 0201	General Ecology	(3)

Group B - Cellular/Molecular

BIOL 0203	Genetics I	(4)

And one of the following:

BIOL 0205	Cell Biology (preferred)	(4)
BIOL 0223	Microbiology	(4)

Group C - Organismal

BIOL 0211	Plant Biology	(4)
BIOL 0237	Human Anatomy and Physiology I	(4)
BIOL 0230	Evolution	(3)

Additional courses to satisfy the 40 credits of major requirements should be selected in consultation with the Program Director.

INTERDISCIPLINARY MAJOR IN ENVIRONMENTAL SCIENCE

The departments of Biology and Geography / Regional Planning co-sponsor an interdisciplinary major in Environmental Science. For more information about this program, see the listing in the Environmental Science section of this Bulletin.

BIOLOGY MINOR

The student minoring in biology is required to take 18 credits in Biology, no more than eight of which can be introductory courses (0100 level).

ADVISING

Biology faculty welcome the opportunity to talk to incoming students about the program. Students who decide to major in biology will be assigned a faculty advisor in the Department who can provide guidance concerning the major and related work in mathematics, chemistry, physics, secondary education and other areas of interest. Consultation at an early date will provide the possibility of taking courses which can lead toward a variety of career options.

TRANSFER STUDENTS

Any student transferring into Westfield State College must successfully complete a minimum of 20 biology credits at Westfield State College. These credits must be biology credits. Course work required in the major, but outside the department such as chemistry, will not meet this requirement. Additionally, the biology distribution must also be met.

COURSES

Waiver of prerequisites: A student with a strong background may consult with the instructor to request the waiver of any prerequisite for a specific course.

BIOL 0101 SCIENCE FOR THE ELEMENTARY SCHOOL (3) Designed to prepare future teachers to utilize the student-oriented inquiry approach in teaching elementary school science. Emphasis will be placed upon hands-on experiences for accomplishing this through biological, physical, and earth science activities. Course is taught by a professor from the Biology Department and one from the Physical Science Department.

BIOL 0102 ENVIRONMENTAL BIOLOGY (4) An introduction to general ecological principles, and an examination of human interactions with, and effects upon, the environment.

BIOL 0104 HUMAN BIOLOGY (4) Human Biology introduces the structure and function of the human body. Students will study the major systems of the human body, including reproduction, digestion and nutrition, circulation, respiration, nervous and hormonal control and locomotion through examination of and non-invasive experimentation with their own bodies, computer simulations, reading and attending lecture/discussions.

BIOL 0106 BIOLOGY TODAY (4) An introduction to the study of cells, cellular reproduction, inheritance and the gene, molecular genetics, and the development of organisms. Concentrates on human genetics and development. Investigates the role of biotechnology in genetics and development. No prerequisites.

BIOL 0128 BIOLOGICAL CONCEPTS (4) The study of some of the basic concepts underlying modern biology. Topics include cellular and molecular biology, organismic diversity and systematics, as well as evolution and ecology. Lecture and laboratory will include methods of inquiry and instrumentation. Prerequisites: one semester of BIOL 0102, BIOL 0104, or BIOL 0106.

BIOL 0200 NATURAL HISTORY IN AMERICA (3) An introduction to American naturalists and nature writers from the earliest exploration and settlement to the present.

BIOL 0201 GENERAL ECOLOGY (4) Study of the interactions between organisms and their environment. Topics covered include: Evolution, patterns of distribution, factors affecting distribution, population dynamics, competition, predation, parasitism, mutualism, energy and nutrient flow in ecosystems, and the analysis of the process of succession. Current ecological problems will be discussed throughout the course. Labs will involve field experiences. Prerequisite: BIOL 0128 or permission of instructor.

BIOL 0202 CONSERVATION BIOLOGY (4) This course will discuss the current loss of biological diversity ("biodiversity") around the globe. We will discuss the following topics: What biodiversity is, how biodiversity is distributed across the globe, the value of biodiversity, why certain species are vulnerable to extinction, the major threats to biodiversity, the role that humans play in the process of declining biodiversity, and the best ways to preserve biodiversity. Through lectures, discussions and laboratories, we will address these questions, examine how populations are monitored and examine factors that result in decreasing biodiversity. Prerequisite: BIOL 0102 or BIOL 0128 or permission of instructor

BIOL 0203 GENETICS I (4) Emphasizes the Mendelian mechanisms of inheritance, sex inheritance, human heredity, chromosome mapping, and population genetics. Also included are methods for determining genetic probabilities and the analysis of statistical data. Discussions correlate current genetic research with the above, particularly as it relates to prenatal diagnosis of genetic abnormalities and the concept of eugenics in controlling gene frequencies. Prerequisite: BIOL 0128.

BIOL 0205 CELL BIOLOGY (4) A study of the structure, function, and life history of cells and their components. Consideration of relationships among cell organelles and between cells and their environments. Prerequisite: Two semesters of General Chemistry and BIOL 0128.

BIOL 0207 EMBRYOLOGY (4) A study of vertebrate embryo development, including developmental patterns and the emergence of form and function as an expression of genetic endowment. Special attention is paid to the avian and mammalian morphogenesis. Prerequisite: One semester of BIOL 0102, BIOL 0104, or BIOL 0106 and BIOL 0128 or permission of instructor.

BIOL 0208 MARINE BIOLOGY (4) An in-depth investigation of the various marine ecosystems such as sand, mud, and rock intertidal areas, salt marshes, estuaries, coral reefs, and mangrove forests; also the neritic, pelagic, and enthic regions of the open ocean. Includes the numerous interactions between biotic and abiotic factors present. Adaptations of life forms for survival in these environments will be discussed. Also includes laboratory exercises; including establishing, maintaining and analyzing a salt water aquarium, plus field trips to the coast. Prerequisite: one semester of BIOL 0102, BIOL 0104, or BIOL 0106 and BIOL 0128.

BIOL 0210 HISTOLOGY (3) Study of the microscopic structure and function of animal tissues with emphasis upon the mammal. An introduction to the basic principles of microtechnique. Prerequisite: One semester of introductory biology; BIOL 0128 or equivalent.

BIOL 0211 PLANT BIOLOGY (4) An introduction to the structure, function, and diversity of plants and related groups, including anatomy, morphology, physiology, reproduction, ecology, and evolution. Specific topics include plant tissues, plant organs and their function, photosynthesis, transport processes, primary and secondary growth, hormone action, flowering, seed and fruit production, environmental influences on growth and development, and the role of plants in ecosystems and the biosphere. Also, evolutionary relationships between the major groups of terrestrial plants (bryophytes, primitive vascular plants, non-seed plants, gymnosperms, and angiosperms) and an introduction to related organisms including fungi and algae. Laboratories include several short- and long-term experiments as well as experiences in data collection, data analysis, and scientific writing. Three hours lecture, three hours laboratory per week. Prerequisites: One semester introductory biology and BIOL 0128.

BIOL 0216 FLORA OF MASSACHUSETTS (4) An introduction to the vascular flora of Massachusetts using herbarium specimens and field observation. Includes the use of keys to identify unknowns and a taxonomic survey of major families. Prerequisite: One semester of introductory biology.

BIOL 0217 INVERTEBRATE ZOOLOGY (4) Study of representative groups of invertebrates, including the phylogenetic relationships and the morphology, physiology and natural histories of selected individual animals. Prerequisite: One semester of BIOL 0102, BIOL 0104, or BIOL 0106.

BIOL 0219 AQUATIC BIOLOGY (4) Survey covering the biological, chemical, and physical considerations of inland waters with emphasis on the environmental relationships, identification, and natural history of indigenous aquatic organisms. Considerable work is done in the field. Prerequisite: One semester of BIOL 0102, BIOL 0104, or BIOL 0106.

BIOL 0221 VERTEBRATE PHYSIOLOGY (4) Recognition and interpretation of the integration of function in the organ systems of the vertebrate animal in relation to environmental influences. Prerequisite: BIOL 0128.

BIOL 0223 MICROBIOLOGY (4) An introductory study of the microorganisms with emphasis on Bacteriology. Consideration of clinical and environmental aspects, principles of structure, metabolism, and genetics of procaryotes. Laboratory includes basic techniques for study, enumerations and identification of bacteria. Prerequisite: Two semesters of General Chemistry and BIOL 0128.

BIOL 0227 COMPARATIVE VERTEBRATE ANATOMY (4) A study of the anatomy and phylogeny of the vertebrates. Lecture topics will include gross anatomy and consideration of evolutionary trends among the vertebrates. Laboratory work will consist primarily of the dissection of representative species. Prerequisite: BIOL 0128.

BIOL 0230 EVOLUTION (3) A discussion of theories of evolution, evidence for evolution, genetic variability and changes in populations, and evolutionary patterns of the past. Prerequisite: BIOL 0128.

BIOL 0233 ENVIRONMENTAL LEGISLATION (3) A detailed examination of the need for, and biological basis for, the standards established by existing, or proposed, federal and state legislation. The lectures, which will deal with topics such as the National Environment Policy Act and the Water Pollution Control Act, will be supplemented by analysis and discussion of environmental impact statements and court decisions dealing with each of the topics covered. Prerequisite: One semester of introductory biology and at least one of the following: BIOL 0201 or BIOL 0202 or permission of instructor.

BIOL 0235 ORNITHOLOGY (4) An intermediate course focusing on the evolution, ecology and distribution, life history and economic importance of the class Aves. Laboratories will emphasize field experience for the identification of local and migratory species, and the study of the anatomy and physiology of birds. Grades will be based upon lectures and laboratory exams. Prerequisite: BIOL 0128.

BIOL 0237 HUMAN ANATOMY AND PHYSIOLOGY I (4) Utilizes a general approach to the human body with emphasis on structure and function to show ways in which various organ systems interact. The integumentary, skeletal, muscular, and nervous systems and sense organs are studied. Course does not earn credit toward the biology major. Prerequisite: BIOL 0106 preferred, but BIOL 0104 is acceptable.

BIOL 0239 HUMAN ANATOMY AND PHYSIOLOGY II (4) Utilizes a general approach to the human body with emphasis on structure and function to show ways in which the various organ systems interact. The respiratory, circulatory, digestive, endocrine, and urinary systems as well as temperature regulation and fluid balance are studied. Course does not earn credit toward the biology major. Prerequisite: BIOL 0237.

BIOL 0245 HORTICULTURE (4) Instructs students in the science and art of growing, nurturing, and appreciating flowers, vegetables, ornamentals including herbs/spices. An emphasis will be given to Ethnobiology -- Plants in relation to Human Culture. Prerequisite: One college level introductory biology course or permission of the instructor.

BIOL 0280 - 0289 BIOLOGY SEMINAR (1) Topics will vary depending on availability of staff and student interest. Primarily for juniors and seniors. Prerequisite: Permission of instructor.

BIOL 0290 TEACHING SECONDARY SCHOOL BIOLOGY (3) A practical experience for students seeking certification as a secondary school biology teacher. Topics will include the presentation of lessons, evaluative techniques, use of computers, planning the laboratory experience and inquiry teaching. Thirty hours of prepracticum experience in a secondary school biology classroom is a requirement in this course. Prerequisites: completion of 20 hours of the biology courses needed for certification or permission of instructor.

BIOL 0299 DIRECTED STUDY (1-3) Directed study in biology with the student conducting a project under supervision of an instructor. BIOL 0299 does not substitute for a course in the three departmental distribution groupings (A,B,C). A total of 6 credits of BIOL 0299 and BIOL 0399 may be applied toward the biology major.

BIOL 0303 MEDICAL MICROBIOLOGY (4) A study of medically important microorganisms, including bacteria, fungi, viruses, and protozoa. The course attempts to correlate the mechanisms of pathogenicity and virulence with disease. Prerequisite: BIOL 0223.

BIOL 0304 APPLIED MICROBIOLOGY (4) A study of environmental and industrial applications of microorganisms. Environmental topics considered include the role of microorganisms in ecology, pollution and pollution abatement. This course examines commercial exploitation of microorganisms for production of food, alcohol, drugs and chemicals through natural processes and genetic engineering. Prerequisite: BIOL 0223 or equivalent.

BIOL 0305 PLANT COMMUNITIES (4) A study of terrestrial plant associations emphasizing those of New England. Topics include the description and sampling of vegetation, herbarium and collecting techniques and recognition of common genera in the field and keying to species in the lab. Field trips required. Prerequisites: BIOL 0128; BIOL 0216 or BIOL 0201 (which may be taken concurrently).

BIOL 0312 MAMMALOGY (4) The identification, classification, evolution, ecology, and physiology of mammals with emphasis on New England forms. Laboratory work will include an introduction to the common techniques used in mammalogy, experimentation, and identification of the skins and skulls of the local fauna. Prerequisite: BIOL 0128 and two courses at the intermediate (0200) level.

BIOL 0313 IMMUNOLOGY (4) Explores the nature of antigens and the immunological response. The immune response will be considered in relation to infectious disease, transplantations, allergies, and cancer. The laboratory includes basic serological techniques for separation of serum proteins. Prerequisite: 12 hours of intermediate-level Biology.

BIOL 0316 URBAN ECOLOGY (4) An examination of the interactions of humans and their structures (buildings, roads, etc.) and activities with the natural environment in an urban setting. Lecture topics will include urban climates, air pollution, and water supply and disposal. Laboratories will emphasize field experience. Prerequisite: One semester of BIOL 0102, BIOL 0104, or BIOL 0106; and BIOL 0201.

BIOL 0318 TECHNIQUES IN HISTOLOGY (4) An investigation of the basic techniques used in preparing animal tissues for viewing with the light microscope. Also includes a study of the microscopic structure and function of selected animal tissues. Prerequisites: BIOL 0128 and one course from the Cell/Molecular group of courses (Group B).

BIOL 0322 ELECTRON MICROSCOPY (4) Consideration of research frontiers in biological fine structure will include practice in the basic techniques of the transmission electron microscope and will focus on analysis of the capabilities and limitations of the instrument. Prerequisite: BIOL 0205 or BIOL 0210.

BIOL 0334 ANIMAL BEHAVIOR (4) This course will emphasize the adaptive value and evolutionary importance of animal behavior. We will explore the basic question: Why do animals have the particular behaviors that they have? Topics include: Habitat selection, dispersal, foraging, aggression, mating, reproduction, social organization, altruism, cooperation, and communication. In addition to reading from the text, students will critically read and discuss journal articles. Labs will involve in-depth studies of animal behavior and independently designed student projects. Prerequisite: BIOL 0128 and either BIOL 0201 or BIOL 0230 or permission of instructor

BIOL 0336 MOLECULAR GENETICS (4) Theory and application of modern molecular genetic techniques. Topics include chemistry of nucleic acids and proteins, genome structure and evolution, and regulation of gene expression. The laboratory includes techniques in DNA isolation and purification, RFLP analysis, cloning, PCR, protein isolation and purification, computer simulations, and sequence analysis via the World Wide Web. Prerequisite: BIOL 0203 or BIOL 0205.

BIOL 0388 BIOLOGY INTERNSHIP (1-12) A vocational xperience in the area of the student's biological interest. Course is designed to provide a hands-on contact involving a variety of responsibilities and skills related to the student's specific concentration. Does not count toward 0300-level course requirement. Prerequisite: Permission of department.

BIOL 0389 TOPICS IN ENVIRONMENTAL STUDIES (1-4) A field-oriented investigation of one or more ecological communities not found in Massachusetts. The identification and ecology of the plants and animals of the community will be emphasized and the course will include lectures and/or readings in addition to an extended field trip within the community.

BIOL 0399 INDEPENDENT RESEARCH (1-3) Directed research in biology with the student conducting a research project under supervision of an instructor. Research projects should involve investigation of a biological problem using the scientific method. The results of the study should be reported in the form of a scientific research paper and presented in an oral presentation to the department. Three or more credits of BIOL 0399 may be applied toward the biology major. Prerequisite: Permission of instructor.

COMMUNICATION

The Department of Communication offers a BA in Mass Communication.

The department's curriculum is designed to introduce students to the study of human communication through practical learning opportunities within the context of theoretical course work. This emphasis on both professional and theoretical competencies encourages students to develop the critical perspectives, knowledge, and skills which will provide the foundation for further learning or a professional career, and enable them to better navigate the mediated environment in which we live.

Graduates of the Communication Department have found the curriculum to be a strong foundation for entering graduate programs in journalism, communication, law, and other disciplines, and for entry-level jobs with television and radio stations, video production facilities, newspapers, public relations firms, social service agencies, and a variety of business, industry, and service organizations. Graduates work as writers and journalists, broadcasters, producers and production assistants, managers, sales representatives, public relations practitioners, and creative personnel in virtually all segments of society where effective communication knowledge and skills are critical.

The campus supports an active chapter of Lambda Pi Eta, the National Honor Society in Communication, and qualified students are inducted into the society each year.

Faculty place a strong emphasis on advisement, especially because of recent changes in the structure of the major. Current and new majors should make a point of meeting their advisors frequently to check on the status of courses and to plan programs that will meet graduation requirements.

FACILITIES

The department maintains a television studio, digital and analog camcorders, field production equipment, and linear and non-linear editing suites; digital and analog audio production labs; digital image processing and multimedia production workstations; and a darkroom. Additionally, the college supports a number of student-run media organizations relevant to communication majors, including an FM stereo radio station, a weekly newspaper, a chapter of the Society of Professional Journalists, and a campus-wide cable television channel.

INTERNSHIPS

The Internship Program in the Department of Communication offers qualified students an opportunity to gain valuable experience with professional communication organizations while earning college credit. Experiences vary, depending upon regulations and restrictions that are set by each agency. The Internships are available with local, regional, national, and international agencies.

Among the available opportunities in public relations/marketing, broadcasting, and journalism are locations in Boston, New York, Hartford, Springfield; London, England; and Dublin, Ireland.

REQUIREMENTS FOR THE MASS COMMUNICATION MAJOR - 42 credits

REQUIRED MAJOR CORE - 24 credits

MCOM 0101 Introduction to Mass Communication	(3)
MCOM 0204 Writing for the Media	(3)
MCOM 0207 Communication Ethics	(3)
MCOM 0221 Communication Theory	(3)
MCOM 0240 Communication History	(3)
MCOM 0307 Communication Law	(3)
MCOM 0312 Media Criticism	(3)
MCOM 0320 Foundations of Media Research	(3)

STUDENTS MUST ELECT ONE OF THE FOLLOWING CONCENTRATIONS. In addition to the required courses for each concentration, students are required to take three elective courses. Two must be from the elective list for that concentration, and one of these must bear an MCOM designation. The last elective may be any approved elective from any concentration list.

PUBLIC AND CORPORATE COMMUNICATION - 18 credits

MCOM 0203 Principles of Public Relations	(3)
MCOM 0340 Organizational Communication	(3)
MCOM 0342 Public Relations Writing	(3)
Electives	(9)

MCOM 0215 Intercultural Communication
MCOM 0216 Issues in Advertising
MCOM 0223 Intro to Digital Media Production
MCOM 0275 (ENGL 0275) Journalism I
MCOM 0303 Persuasive Communication
MCOM 0316 Special Topics (when applicable)
MCOM 0322 Professional Communication
MCOM 0323 Interpersonal Communication
MCOM 0336 Advanced Public Relations

ART 0206 Lettering and Layout
ART 0211 Visual Communication and Design
ART 0328 Graphic Design I
ART 0344 Graphic Design II
ENGL 0103 Speech
ENGL 0392 Business and Technical Writing
MGMT 0231 Marketing Management
MGMT 0307 Marketing Research and Techniques
MGMT 0328 Principles of Advertising
POLS 0318 Public Management Skills
PSYC 0200 Industrial and Organizational Psych
SOCI 0311 Complex Organizations

MEDIA ARTS - 18 credits

MCOM 0330 Issues in the Media Industries (3)
MCOM 0332 Scriptwriting (3)
One of the following: (3)
- MCOM 0206 Intro to Video Producation
- MCOM 0210 Film as Mass Communication
- MCOM 0223 Intro to Digital Media Production
- MCOM 0230 Fundamentals of Audio Production

Electives (9)
- MCOM 0202 Introduction to Photography
- MCOM 0206 Introduction to Video Producation
- MCOM 0210 Film as Mass Communication
- MCOM 0211 Representation in the Media
- MCOM 0212 Film and Gender
- MCOM 0213 World Cinema/Global Film
- MCOM 0214 Topics in Film
- MCOM 0223 Intro to Digital Media Production
- MCOM 0230 Fundamentals of Audio Production
- MCOM 0231 Interactive Communication Design

- MCOM 0242 Speaking on Radio and Television
- MCOM 0302 Advanced Video Production
- MCOM 0309 Broadcast Journalism
- MCOM 0316 Special Topics (when applicable)
- MCOM 0325 Photojournalism
- MCOM 0335 Media, Technology and the Future

- ART 0108 Computer Graphics I
- ART 0212 Computer Graphics II
- ENGL 0367 Film Theory and Criticism
- ENGL 0374 Writing for Film
- ENGL 0391 Special Studies in Film
- ENGL 0393 History and Devel of Motion Pictures
- PHIL 0217 Philosophy and Film

JOURNALISM - 18 credits

ENGL or MCOM 0275 Journalism I (3)
MCOM 0339 Issues in Journalism (3)
ENGL or MCOM 0394 News Editing (3)
Electives (9)
- MCOM 0309 Broadcast Journalism
- MCOM 0316 Special Topics (when applicable)
- MCOM 0325 Photojournalism
- MCOM 0332 Scriptwriting
- MCOM 0342 Public Relations Writing
- MCOM 0347 Opinion and Editorial Writing
- MCOM 0348 Long-form Journalism
- MCOM 0349 Online Journalism
- MCOM 0350 Investigative and Computer-Assisted Reporting
- ENGL or MCOM 0375 Journalism II
- ENGL 0246 Writing about the Arts
- ENGL 0377 Feature Writing
- ENGL 0392 Business and Technical Writing
- ENGL or MCOM 0395 Sports Writing

COMMUNICATION AND CULTURE -18 credits

MCOM 0215 Intercultural Communication (3)
MCOM 0306 International Communication (3)
One of the following: (3)
- MCOM 0323 Interpersonal Communication
- MCOM 0335 Media, Technology and the Future

Electives (9)
- MCOM 0210 Film as Mass Communication
- MCOM 0211 Representation in the Media
- MCOM 0212 Film and Gender
- MCOM 0213 World Cinema/Global Film
- MCOM 0216 Issues in Advertising
- MCOM 0316 Special Topics (when applicable)
- MCOM 0323 Interpersonal Communication
- MCOM 0321 Political Communication
- MCOM 0335 Media, Technology and the Future
- MCOM 0340 Organizational Communication

- MCES 0101 Intro to Multicultural and Ethnic Studies
- PSYC 0318 Psych of Interpersonal Relations and Communications
- PSYC 0363 Cross-Cultural Psychology
- SOCI 0200 Cultural Anthropology

STUDENT DEFINED CONCENTRATION

Under unique circumstances and with the approval of both their advisor and the department chair, students may design their own concentration within the major, provided that it meets specifications established by the department.

NOTE: Other electives available in the College's other departments of study may be elected with the recommendation of the student's advisor and the approval of the Department Chair.

FIELD PLACEMENT COURSES

The following course requires departmental and/or faculty approval:

MCOM 0305 Mass Communication Internship (3-15)
(Credits earned for MCOM 0305 may not be substituted for the Required Major Core, Concentration Requirements, or Concentration Electives).

MINOR IN MASS COMMUNICATION

Students electing a minor in Mass Communication must complete:

- Three (3) courses from the required major core
- Three (3) courses with an MCOM designation

COURSES

MCOM 0101 INTRODUCTION TO MASS COMMUNICATION (3) Provides students with a comprehensive survey and critical analysis of mass communication. This is accomplished through the study of the history and structure of mass media industries and an examination of social, economic, political, cultural, and global factors that create the context in which media operate.

MCOM 0202 INTRODUCTION TO PHOTOGRAPHY (3) Examines techniques and applications of photography. Areas of study include camera operation, film selection, lenses, filters, lighting, composition, black and white film developing, and digital monochrome and color image processing and manipulation (currently Adobe Photoshop). The history of the medium and its communicative properties are also discussed.

MCOM 0203 PRINCIPLES OF PUBLIC RELATIONS (3) Examines the principles and processes of public relations. Areas of discussion include organizational aspects, the public relations environment, fact finding, planning and programming, implementation, evaluation and audience analysis.

MCOM 0204 WRITING FOR THE MEDIA (3) Explores a variety of writing modes used in mass communication. Emphasis is on developing and refining the student's writing skills. Students will be introduced to writing techniques used in newspapers, radio, television, magazines, advertising and public relations. A prerequisite for all other MCOM writing courses. Prerequisite: ENGL 0101.

MCOM 0206 INTRODUCTION TO VIDEO PRODUCTION (3) Serves as an introduction to video communication and the tools and techniques of television production, emphasizing studio production. Topics include lighting, audio control, camera operation, and directing. While covering the "how-to" side of production, the course emphasizes the larger theoretical and aesthetic considerations involved in the process of video production.

MCOM 0207 COMMUNICATION ETHICS (3) Examines the process of ethical decision making in the context of communication. Emphasis is placed on the analysis of values and study of ethical principles representing several schools of philosophical thought. Values and principles are then applied to case studies of ethical dilemmas in various communication fields.

MCOM 0210 FILM AS MASS COMMUNICATION (3) Examines film as a unique 20th century art form. Particular emphasis will be placed on the aesthetic elements and cultural role of film, including economic, sociological, psychological, political and critical dimensions.

MCOM 0211 REPRESENTATION IN THE MEDIA (1-3) This course will examine print and electronic media representations of diverse groups and will be structured in three one -credit segments. The content of each one-credit segment will vary according to the expertise/interest of participating faculty members, but may include examinations of gender, race, ethnicity, class, age, sexual orientation, religions, occupation, and/or dis/ability. Students will read recent research in the field of representation and conduct their own research projects.

MCOM 0212 FILM AND GENDER (3) Examines the construction and portrayal of gender in film. In addition to surveying some of the predominant cinematic images of gender, students will be introduced to the precepts of contemporary feminist film criticism and gender studies.

MCOM 0213 WORLD CINEMA/GLOBAL FILM (3) Examines the film medium in a global context, paying particular attention to the cultural implications of variations in style, theme, and aesthetic principles developed by different nations at different points in time. Will select from such national/regional cinemas as Soviet, German, French, Italian, British, Eastern European, Middle Eastern, Japanese, Indian, Chinese, Latin American, Black African, and look at the World Cinema movement. No prerequisites.

MCOM 0214 TOPICS IN FILM (1-3) This course will examine special topics in film and will be structured in three one-credit segments. The segments will have a related theme, which may vary each time the course is offered. For example: noteworthy directors, screenwriters, genres, studios, particular eras in film, or international cinemas. Through the use of primary and secondary sources, film screenings and group discussions, students will explore theories and methods of film study. No prerequisites.

MCOM 0216 ISSUES IN ADVERTISING (1-3) Explores a range of critical perspectives on advertising and consumer culture. Topics may include cultural codes in advertising, advertising and children, and global advertising. No prerequisites.

MCOM 0221 COMMUNICATION THEORY (3) Explores a variety of perspectives from which communication may be studied. Examines different models that have been developed to conceptualize, describe, and explain the communication process. Through class discussion, reading and research, students will analyze the assumptions underlying various communication theories and examine the strengths and weaknesses of these theories. Areas of study include the social and historical context of theory development, interpersonal communication, communication in organizations, and the impact of mass communication. Prerequisite: MCOM 0101.

MCOM 0222 INTERCULTURAL COMMUNICATION (3) Provides knowledge and understanding of the interrelationships among culture, language, and communication. Students will develop skills to overcome intercultural communication barriers such as ethnocentrism, misinterpretation of verbal and nonverbal signals, problems of stereotypes/perceptions and assumptions of similarities. The course will help students become culturally sensitive communicators in intercultural situations.

MCOM 0223 INTRODUCTION TO DIGITAL MEDIA PRODUCTION (3) Provides an introduction to digital image manipulation, animation, and web page production, and explores theoretical issues related to media development and integration. Includes an overview of the MacIntosh interface, digital scanning and printing, and prepares students for advanced work in desktop publishing, digital image manipulation and web page design. No prerequisites.

MCOM 0230 FUNDAMENTALS OF AUDIO PRODUCTION (3) Examines the theory and practice of sound recording and reproduction, using four-track analog and digital media. Principles can be applied to radio, television and multimedia audio, and studio music production. Practical exercises involve interview skills and location recording with editing, mixing, and scripting of feature and documentary projects.

MCOM 0240 COMMUNICATION HISTORY (3) Studies the development of communication media from the earliest pre-alphabetic inscriptions to modern electronic message systems. The course will examine the social and cultural effects of change in communication technology over time. Prerequisite: MCOM 0101 (may be taken concurrently).

MCOM 0242 SPEAKING ON RADIO AND TELEVISION (3) Directed toward those students interested in improving skills in radio and/or television announcing. Topics include the contrasting oral approaches used in both media, interviewing styles and techniques, newscasting, commercials, public service announcements, and sportscasting. Prerequisite: MCOM 0204.

MCOM 0275 JOURNALISM I (3) An introduction to the technique of writing basic news stories. Students will also learn the basics of libel law and consider ethical issues that arise in the practice of journalism. Included is an examination of newsroom duties and responsibilities.

MCOM 0302 ADVANCED VIDEO PRODUCTION (3) Designed as an extension of MCOM 0206, this course places particular emphasis on the process of field production and post-production. Explores location field production techniques, basic linear videotape editing, and digital post-production using Adobe Premiere. Provides students with experience in planning, producing, and evaluating their own programming in several formats. Prerequisite: MCOM 0206.

MCOM 0303 PERSUASIVE COMMUNICATION (3) Introduces students to the characteristics of persuasive discourse. Various vehicles, theories, principles and methods of persuasion, from classical to contemporary, will be discussed. Students will have the opportunity to analyze and construct a variety of persuasive messages including advertisements, editorials and speeches. Prerequisite: MCOM 0101.

MCOM 0305 MASS COMMUNICATION INTERNSHIP (3-15) Students, through prior arrangement, will intern at various local, regional, or national media outlets.

MCOM 0306 INTERNATIONAL COMMUNICATION (3) Explores the social, political, and cultural traits that lead to the development of media systems. Also included in the course will be discussions concerning how governments regulate media, control access, and finance operations. Examples of foreign press and broadcasts will be presented for examination. The impact of new communication technologies will be examined. Prerequisite: MCOM 0101 or permission of instructor.

MCOM 0307 COMMUNICATION LAW (3) Examines the principles and applications of communication law. Students will be introduced to fundamentals of the American legal system and legal case studies pertinent to the mass media and related communication technologies. Particular emphasis will be placed on such issues as freedom of expression, defamation, privacy, intellectual property, information access, censorship, commercial speech, and government regulation. Prerequisite: MCOM 0101.

MCOM 0309 BROADCAST JOURNALISM (3) Emphasizes the unique style of broadcast newswriting and audio/videotape integration in news stories. Provides practice in gathering, writing, and delivering news, and gives an overview of the structure of electronic news organizations. Prerequisite: MCOM 0204 or MCOM 0275.

MCOM 0312 MEDIA CRITICISM (3) Examines mass media from a variety of critical perspectives in order to understand how criticism works as a method of inquiry. Students will learn the language of such critical approaches as semiotic analysis, genre theory, ideological analysis and cultural studies. They will be encouraged to develop an understanding of the larger application of critical methodology. Prerequisite: At least junior status.

MCOM 0314 SENIOR THESIS/ PROJECT (3-6*) A capstone experience which offers students the opportunity for extensive exploration of an area of interest. Course requires the completion of a substantial research paper or creative project, and a public presentation of the final work. Excellent option for students interested in graduate school. Prerequisite: Senior status and permission of the department. *Departmental honors project; honors program criteria apply.

MCOM 0316 SPECIAL TOPICS IN MASS COMMUNICATION (3) Examines selected communication issues, perspectives, or themes. Prerequisite: MCOM 0101 or permission of instructor.

MCOM 0318 INFORMATION DESIGN (3) Introduction to the design, editing, and presentation of qualitative and quantitative data and the analysis and critique of information presentations. Students will design and produce presentations using technologies as simple as posters and transparencies and as sophisticated as the latest computer presentation software, while exploring aesthetic principles and communication theories relevant to effective design strategies.

MCOM 0319 MEDIA LITERACY (3) Examines the many applications of the media to classroom instruction and investigates the history and current status of media literacy programs in the United States and abroad. Explores the development of curricula designed to provide the ability to access, analyze, evaluate and produce communication in a variety of forms.

MCOM 0320 FOUNDATIONS OF COMMUNICATION RESEARCH (3) Explores basic qualitative and quantitative methodologies of communication research, including experiments, surveys, focus groups, field observations, and content analysis. These methodologies are examined as ways of posing questions and solving problems in communication. Each student will write a paper based on a research project including problems definition, literature review, data gathering and analysis. Prerequisite: at least junior status.

MCOM 0321 POLITICAL COMMUNICATION (3) Combines theory, research, and practical experience in order to gain an understanding of the role of mass communication in the electoral process. The course is intended to increase awareness of the problems and responsibilities involved in political and campaign communication, and to provide opportunities to apply political, organizational and communication skills. May be offered in conjunction with the Political Science Department. Prerequisites: At least junior status and MCOM 0101.

MCOM 0322 PROFESSIONAL COMMUNICATION (3) Designed to develop student's ability to function as a member of a task-oriented group, participate in and conduct formal meetings, conduct an interview, make a professional presentation, and write a professional report. Interpersonal, writing and oral skills will be emphasized.

MCOM 0323 INTERPERSONAL COMMUNICATION (3) This course will examine human communication, including recent research in the fields of self-concept, conflict management, diversity awareness, listening skills, verbal and non-verbal communication. Through the use of written assignments and small group projects, student will explore methods of application of the course material in a variety of contexts. Prerequisite: MCOM 0221.

MCOM 0325 PHOTOJOURNALISM (3) Examines how photographic skills can be combined with text and graphics to observe and interpret people, things, and events for publication. Emphasis will be placed on informative, interpretive, and archival characteristics of photojournalism, the moral and ethical dilemmas facing photojournalists, and the history and future of the profession. Prerequisites: MCOM 0202 and MCOM 0275 and familiarity with relevant imaging and publishing software; for example Adobe Photoshop and Quark Xpress.

MCOM 0330 ISSUES IN THE MEDIA INDUSTRIES (3) Includes analysis of media industry and organizational structures, management strategies, audience analysis, promotion and marketing, programming, and the impact of new and emerging technologies. Examines day-to-day practices of media industries within a broader context which emphasizes social, legal, economic, and technological factors. Prerequisite: MCOM 0101 and at least junior status.

MCOM 0331 INTERACTIVE COMMUNICATION DESIGN (3) Designed to introduce students to the world of hypertext and nonlinear, multimedia communication. Introduces multimedia authoring software, and emphasizes the development and writing of nonlinear, hypertext scripts. Students will be able to develop their own hypertexts, animations, sounds, and digital images, which will contribute towards a final interactive multimedia project. Students will be encouraged to explore the uses and philosophical implications of interactive, nonlinear mediated communication, to develop form in relation to content, to integrate diverse elements of their work, and to experiment beyond their usual area of specialization. Prerequisite: MCOM 0223.

MCOM 0332 SCRIPTWRITING (3) Advanced work in writing for non-print media. Covers each phase of the scriptwriting process, including concept development, preparing a treatment, script mechanics, and writing and editing the final script, across media forms including news, advertising, and simple dramatic programs. Prerequisite: MCOM 0204.

MCOM 0335 MEDIA, TECHNOLOGY, AND THE FUTURE (3) Examines trends in mediated communication, especially with regard to their future social, cultural, and economic effects on people. Emphasis will be placed on the merging roles and functions of mass media, telecommunication, and computer technologies, global communication, emerging multimedia systems, and technological innovation and notions of progress. Prerequisites: MCOM 0101 and MCOM 0240.

MCOM 0336 ADVANCED PUBLIC RELATIONS (3) Focuses on the public relations practitioner as communications manager, emphasizing the counseling function of PR in formulating strategies and policies in corporate communications. Prerequisite: MCOM 0203 or permission of instructor.

MCOM 0339 ISSUES IN JOURNALISM (3) Explores contemporary issues in journalism with an emphasis on social, legal and cultural factors. Includes discussion of news values, decision making, media competition, technology, and community values. Prerequisite: Junior or Senior status.

MCOM 0340 ORGANIZATIONAL COMMUNICATION (3) Examines basic concepts such as communication structure and functions, organizational culture, group and public communication, and communicating technology. Emphasizes the application of organizational communication theories to identifying and solving problems of communication in organizations. Prerequisite: MCOM 0101.

MCOM 0342 PUBLIC RELATIONS WRITING (3) Covers public relations planning, audience analysis, and construction of motivational messages. Students will work on a variety of assignments that emphasize the design and production of effective public relations material for press, publications, and electronic media. Prerequisites: MCOM 0203 and a 0200-level writing course.

MCOM 0347 OPINION AND EDITORIAL WRITING (3) Students will write columns and editorials suitable for publication in a local newspaper. As opinion writers, they will research political, economic, and social issues, develop editorial stances as individuals and as an editorial board, and then produce a series of articles that reflect either their opinions or those of the board. Prerequisite: ENGL 0275 or MCOM 0275.

MCOM 0348 LONG-FORM JOURNALISM (3) Students will write long-form stories for newspapers and magazines using the advanced narrative techniques. While students will complete a significant amount of reporting, the course focuses on developing writing skills through the practice and the study of techniques used in creative literary journalism. By the end of the semester, students should have produced articles suitable for publication as a series in a daily newspaper. Prerequisite: ENGL 0375 or MCOM 0375.

MCOM 0349 ONLINE JOURNALISM (3) Allows students to integrate their writing and reporting skills with multimedia production to produce an online newspaper. Students will analyze online media, learn basic HTML, develop advertising and a financial plan, write and report stories, and create complementary visual and multimedia presentations. The final project will be to design an online news site and create content for it. Prerequisites: ENGL 0275 or MCOM 0275; MCOM 0223.

MCOM 0350 INVESTIGATIVE AND COMPUTER-ASSISTED REPORTING (3) Introduces students to investigative and computer-assisted reporting techniques used in covering government, business, and social services. Students will use government documents and databases to develop stories on current social issues, and will learn to use spreadsheets and relational databases to manage information. Prerequisite: ENGL 0275 or MCOM 0275.

MCOM 0359 SCIENCE COMMUNICATION (3) Science Communication is an interdisciplinary courses offered by the Biology and/or the Communication departments. It emphasizes understanding of the process of science and of the communication of the results of science. Using the scientific method, students will identify problems, develop methods which allow solutions to be obtained, and develop communication methods for persuading others of the validity of their solutions. Students will also evaluate examples of scientific communication ranging from books and magazines to broadcast and multimedia programs. Prerequisite: Junior or Senior status

MCOM 0375 JOURNALISM II (3) Students employ advanced techniques in beat and specialty reporting for print journalism. Reporters in the course run a "mock newspaper" working in various editorial aspects of the newspaper. Reporters complete a series of articles, including but not limited to conference and meeting reports, features, profiles, commentaries, and police and court news and editorials. Prerequisite: ENGL 0275 or MCOM 0275.

MCOM 0394 NEWS EDITING (3) An introduction to the duties of the copy editor. Students will work to refine the skills and art necessary to news selection, editing, headline writing, design and layout. Prerequisite: ENGL 0275.

MCOM 0395 SPORTS WRITING (3) Concentrates on techniques of descriptive and interpretive newspaper and magazine sports writing, with an emphasis on collegiate sports. Techniques for interviewing coaches and players, developing angles, and meeting deadlines are emphasized. Students will cover sporting events, file reports for the class, and compile a portfolio. Prerequisite: ENGL 0275 or MCOM 0275.

MCOM 0399 INDEPENDENT STUDY (1-3) Independent study of topics in mass communication. Prerequisite: Permission of instructor and department chair.

COMPUTER AND INFORMATION SCIENCE

The Department of Computer and Information Science (DCIS) supports two distinctly different majors - Computer Science and Computer Information Systems; the department also offers a minor in Computer and Information Science.

The Computer Science (COMS) major has as its focus the implementation and application of algorithms in the area of systems software, networking, database and computer architecture. The program can best be described as a mixture of theoretical study combined with application-oriented work in the major areas of the discipline. Generally, graduates of this program of study are recruited for positions as systems programmers, with responsibilities in the areas of compiler, operating system or utility program design, or as scientific or technical applications programmers.

The Computer Information Systems (CIS) major has as its focus the processing of data for business or governmental use. File processing and data base management are central to CIS activity, which typically includes replication of clerical function, generation of management reports, and provision of decision support information. Graduates of this program are typically recruited as business applications programmers or as end-user computing support personnel.

The COMS program of study is based on the Association for Computing Machinery's latest curriculum recommendations for computer science, and the CIS program of study is based on the Data Processing Management Association's latest curriculum recommendations for computer information systems. Both the COMS and CIS programs of study have undergone major curricular revision recently.

The computer hardware and software available to COMS and CIS majors at Westfield State College is extraordinary for an institution of its size. Minicomputer, personal computing and workstation environments, including equipment from DEC and various microcomputer vendors, are available to students. Languages such as BASIC, C, C++, COBOL, FORTRAN, Pascal, RPG and Visual BASIC; assembly languages including BAL, Intel, and VAX; and operating systems and environments such as DOS and Windows, UNIX, and VMS are all supported. Access, dBASE, Excel, Lotus 1-2-3, Word, WordPerfect, PROCOMM, and SPSS represent only a sample of the numerous major application packages available. Various LANs provide on-campus connectivity, and Westfield State College's standing as a subdomain on the Internet provides wide-area connectivity and data access. All major equipment on campus is connected through a campus-wide network; thus most of the computing resources are available from the central computing labs and are also accessible via modem.

REQUIREMENTS FOR THE COMPUTER SCIENCE MAJOR

The COMS program of study requires 52-53 credits in the major, to include 39 credits of direct CAIS study, and 13-14 credits in the supporting areas of mathematics and physical science. The requirements are as follows:

Direct CAIS Study:

CAIS 0102	Computer Science Principles	(3)
CAIS 0120	Computer Science/Program Design	(4)
CAIS 0206	Assembly Language Programming	(3)
CAIS 0302	Computer Science Seminar	(1)
CAIS 0305	Elemenst of Systems Programming	(3)
CAIS 0310	Database Management	(3)
CAIS 0320	Data Structures/Algorithm Analysis	(4)
CAIS 0330	Computer Architecture	(3)
CAIS 0339	Operating Systems	(3)
CAIS 0351	Intro to the Theory of Computation	(3)
CAIS 0363	Computer Science Senior Project	(3)
Two 0300-level CAIS courses (excluding CAIS 0353, 0396, 0397)		(6)

Mathematics and Physical Science support areas study:

MATH 0105	Calculus I	(4)
MATH 0118	Linear Algebra	(3)
PHYS 0137	Introduction to Digital Electronics	(3)
One of the following five courses:		
MATH 0106	Calculus II	(4)
MATH 0201	Calculus III	(4)
MATH 0333	Applied Stats and Experimental Design	(3)
MATH 0334	Operations Research	(3)
MATH 0335	Intro to Numerical Methods	(3)

REQUIREMENTS FOR THE COMPUTER INFORMATION SYSTEMS MAJOR

The CIS program of study requires 66-68 credits in the major, to include 36-38 credits of direct CAIS study, 21 credits in business background courses, and 9 credits in supporting liberal arts course work. The requirements are as follows:

Direct CAIS Study:

CAIS 0125	Intro to Computer Information Systems	(3)
One of the following Algorithmic Language Electives:		
CAIS 0117	Intro to Computer Programming (BASIC)	(3)
CAIS 0120	Computer Science/Program Design	(4)
CAIS 0131	The C Programming Language	(3)
CAIS 0205	Introduction to COBOL	(3)
CAIS 0210	Systems Development for Microcomputers	(3)
CAIS 0308	Advanced COBOL/File Processing	(3)
CAIS 0310	Database Management	(3)
CAIS 0346	Systems Analysis and Design	(3)
CAIS 0353	Applied Development Project	(3)

One of the following CAIS courses (Tier 2 electives):

CAIS 0206 Assembly Language Programming	(3)
CAIS 0211 RPG Programming	(3)
CAIS 0212 Visual Programming Concepts	(3)
CAIS 0224 Advanced Microcomputer Applications	(3)

Two of the following CAIS courses (Tier 3 electvies):

CAIS 0290 Computer Security	(3)
CAIS 0307 Organization of Programming Languages	(3)
CAIS 0312 End-User Computing: An Overview	(3)
CAIS 0315 Multimedia Presentation Technology	(3)
CAIS 0320 Data Structures/Algorithm Analysis	(4)
CAIS 0337 Networking and Client/Server Computing	(3)
CAIS 0341 Computer Graphics	(3)
CAIS 0347 Telecommunications	(3)
CAIS 0350 Artificial Intelligence	(3)
One additional Tier 2 or Tier 3 elective from the lists above	(3)

Business Background Study:

MGMT 0104 Principles of Accounting I	(3)
MGMT 0105 Principles of Accounting II	(3)
MGMT 0221 Intro to Business Management	(3)
MGMT 0250 Quantitative Approaches to Business Decisions	(3)
MGMT 0308 Organizational Development and Behavior	(3)
Two of the following three courses:	
MGMT 0207 Financial Management	(3)
MGMT 0220 Production/Operations Management	(3)
MGMT 0231 Marketing Management	(3)

Designated CORE and/or Liberal Arts Courses:

ECON 0101 Principles of Macroeconomics	(3)
MATH 0108 Elementary Statistics	(3)
ENGL 0392 Business and Technical Writing	(3)

END-USER COMPUTING CONCENTRATION

An End-User Computing Concentration will be satisfied if the student includes both CAIS 0312 and CAIS 0337, as well as one of CAIS 0212 and CAIS 0224 among the courses selected to complete the Computer Information Systems major.

COMPUTER AND INFORMATION SCIENCE MINOR

The minor in Computer and Information Science is available to students who are not majoring in Computer Science or Computer Information Systems. The dramatically increasing pervasiveness of computers in society makes this an attractive adjunct for students in numerous disciplines. It requires that a student complete 18 credit hours of CAIS-labeled course work. The minor is unstructured in that any CAIS-labeled course may be applicable to the program of study; however, a student wishing to receive a Computer and Information Science minor must formally declare such intent no later than the completion of 12 credit hours of CAIS-labeled course work that will be applied toward the minor program of study so that a DCIS advisor may be assigned to the student and the remainder of the program may be planned and approved in conjunction with the advisor.

TRANSFER STUDENT POLICY

Any transfer student shall be required to take at least 12 credit hours of Westfield State College CAIS-labelled coursework, as well as meet any other programmatic requirements that may be in effect at the time and/or applicable to the student, in order to receive a Westfield State College degree in Computer Science or Computer Information Systems.

COURSES

CAIS 0101 COMPUTERS IN SOCIETY (3) An introduction to the nature and function of computers, with emphasis on the social, intellectual, legal and ethical issues involved with their use in contemporary society. Includes a survey of computing technology to the extent necessary to enable the student to identify, understand and evaluate computer-related issues such as privacy and databases, data matching, automation and dehumanization, worker displacement and computer security, fraud and evolving moral and legal concerns associated with modern technological society.

CAIS 0102 COMPUTER SCIENCE PRINCIPLES (3) Provides an overview of the fundamental principles of computer science. Topics covered include data representation, storage and manipulation techniques; an introduction to computer architectures and operations; an investigation of useful data structures; and a review of file organization and database models. The development and analysis of elementary algorithms, employing modular design programming language techniques, are used to demonstrate a number of the course concepts. Prerequisite: High school math through Algebra II or MATH 0104.

CAIS 0117 INTRODUCTION TO COMPUTER PROGRAMMING (BASIC) (3) An introduction to basic concepts of computer programming. Topics covered include the syntax and semantics of the BASIC programming language, structured programming techniques, and fundamental data structures. Problem-solving tools and techniques, including application flowcharting and structure charts are covered. Common, elementary algorithms are introduced, and applied to the solution of a variety of problem types.

CAIS 0120 COMPUTER SCIENCE/PROGRAM DESIGN (4) A theoretical introduction to computer science and program design for majors. A current high level programming language is covered in its entirety, to include sets, records, pointers, and external files. Emphasis is placed on structured programming techniques and common algorithms. Fundamental data structures are introduced. Extensive programming is required of the students.

CAIS 0124 THE PERSONAL COMPUTER (3) An introduction to microcomputers from the user's viewpoint. A survey of typical microcomputer hardware, to include capabilities, configurations and costs, familiarity with typical operating systems, and an overview of typical personal productivity software packages, including, but not limited to, word processing, spreadsheet and data base systems. Students will have an opportunity to apply the microcomputer to projects in their own disciplines.

CAIS 0125 INTRODUCTION TO COMPUTER INFORMATION SYSTEMS (3) This course provides an introduction to computer systems and data processing concepts, with special emphasis on the applications of computers in business organizations. Included are an overview of information systems concepts, a survey of computer hardware, software, and programming languages; an introduction to computer system configurations to include operating systems and data communications; an introduction to systems analysis and design, and a comparison of computer based data processing, management information, and decision support systems. A substantial portion of the course will be a microcomputer-based, hands-on component that will have as its focus spreadsheet applications.

CAIS 0131 THE C PROGRAMMING LANGUAGE (3) An intensive course intended for those possessing a familiarity with a high-level programming language. The course begins with an introduction of lexical components of the language, operators, and data types, and progresses to statements, flow of control, pointers and arrays. Functions, string processing, and file input/output are also discussed. Students are expected to write several nontrivial application programs that exploit the inherent powers of the C language. Prerequisite: Knowledge of a high-level programming language.

CAIS 0200 PROGRAMMING LANGUAGE MODULE (1) Several one-credit courses have been developed to expose the student to selected software. Past modules have included LISP, SNOBOL4, GPSS, APL, PL/1, C++, and Visual BASIC. Offerings are based on current interest. Several programming assignments are associated with each module. Prerequisite: Knowledge of a high-level programming language.

CAIS 0205 INTRODUCTION TO COBOL (3) Provides an introduction to the COBOL programming language and structured programming principles. Generally accepted conventions for data manipulation, arithmetic operations, report generation, single-dimension table processing, data validation, and elementary file processing are covered. Extensive programming experience in a current COBOL environment, utilizing common business data processing applications, is provided. Prerequisite: CAIS 0125

CAIS 0206 ASSEMBLY LANGUAGE PROGRAMMING (3) An in-depth study of the internal instructions, organization, and operations of the modern digital computer. The host computer will vary from semester to semester as will the assembly language for this course. A second computer system may also be explored at the assembly language level. Prerequisite: Knowledge of a high level programming language.

CAIS 0210 SYSTEMS DEVELOPMENT FOR MICROCOMPUTERS (3) A study of current development strategies and techniques for microcomputer-based information systems. A dBASE-standard environment, to include application development, relational database design and implementation, screen and report procedures, and code generation will serve as the primary application development tool, although other platforms will be discussed as appropriate. A study of standard microcomputer operating system commands and techniques, along with selected utilities supportive of microcomputer application development, will also be undertaken. An IBM-compatible context will be utilized. Prerequisites: CAIS 0124, CAIS 0125, or MGMT 0107 and knowledge of a high level programming language.

CAIS 0211 RPG PROGRAMMING (3) An introduction to programming in a current version of the RPG language. Emphasis is on the application of RPG to real-world problems. Most of the features available in RPG will be covered during the course, including the fixed logic cycle of RPG. The complete programming process from problem identification through program design, coding, testing, implementation, and documentation will be experienced. A comparison between RPG and other higher-level languages will be made, and the role of RPG in the library of languages will be emphasized.

CAIS 0212 VISUAL PROGRAMMING CONCEPTS (3) Covers programming conventions and methods within a windowing environment. Graphical user interfaces and object-oriented programming software applications will be developed using current software development tools. Forms, events, predefined objects, and database management will be discussed. Prerequisite: Knowledge of a high-level programming language and familiarity with a windowing environment.

CAIS 0220 COMPUTER SIMULATION (3) An introduction to solving real-world problems using computer simulation. The student will use high-level software to develop models. Elements of computer use will be taught as necessary. Several small projects will be modeled, simulated and validated. The emphasis is on critical thinking, abstracting from real situations and interpretation of results. Prerequisite: MATH 0108 or equivalent statistics course.

CAIS 0224 ADVANCED MICROCOMPUTER APPLICATIONS (3) An advanced experience with current microcomputer-based productivity software. The course is intended for students who have a working knowledge of microcomputer software and applications. The course provides in-depth experience with advanced spreadsheet topics, as well as other topics such as advanced microcomputer operating system facilities, presentation graphics, applications integration, and communications. Prerequisite: CAIS 0124, CAIS 0125, MGMT 0107, or equivalent.

CAIS 0280 SPECIAL TOPICS IN COMPUTER AND INFORMATION SCIENCE (1) A study of a topic of special interest to COMS or CIS majors that is not covered in a course currently in the Bulletin. Topics generally involve new, current or evolving issues, and offerings depend on student and instructor interests. May be repeated for credit if topic differs. Prerequisite: Permission of instructor.

CAIS 0290 COMPUTER SECURITY (3) The security of computer systems will be examined from three perspectives: risk identification, risk evaluation, and risk control. Risk identification will be explored in terms of the "onion skin" approach, methods of risk identification, and computer related fraud. Risk evaluation will involve an exploration of probability and impact and approaches to risk evaluation; risk control will focus on such issues as strategy, cost-effectiveness, and contingency planning. Prerequisite: CRJU 0207, MGMT 0104 or knowledge of a high level programming language.

CAIS 0301 COMPILER DESIGN (3) An introduction to the principles and techniques of compiler writing. Among the topics discussed are lexical and syntactic analysis, basic techniques of parsing (top-down and bottom-up), syntax-directed translation, run-time environments, intermediate code generation, code optimization and object code generation. Compiler writing tools such as LEX and YACC or SCANGEN and LLGEN are utilized. Prerequisites: CAIS 0304 or 0305 and CAIS 0320.

CAIS 0302 COMPUTER SCIENCE SEMINAR (1) Focuses on current topics in computer science and allied fields. By means of individual presentations, group, or panel discussions, a variety of aspects and issues of this discipline will be explored. This course can be repeated for credit (up to a maximum of four credits). Prerequisite: Junior or Senior standing and permission of instructor for non-COMS/CIS majors.

CAIS 0305 ELEMENTS OF SYSTEMS PROGRAMMING (3) An introduction to a modern operating system used for systems programming (such as UNIX) and its utilities. Topics representative of those which might be chosen by the instructor as application endeavors include design of a small compiler/interpreter using compiler generating tools, network utilities using TCP/IP or other appropriate protocols, graphics utilities using systems such as X Windows, or device drivers. Prerequisite: CAIS 120 or equivalent.

CAIS 0307 ORGANIZATION OF PROGRAMMING LANGUAGES (3) A study of computer programming languages from the following points of view: specification, programming paradigms, implementation, and actual performance. Some laboratory exercises for the various languages will be given as resources permit. The languages will be chosen by the instructor. Prerequisite: CAIS 0320

CAIS 0308 ADVANCED COBOL/FILE PROCESSING (3) A successor to CAIS 0205 - INTRODUCTION TO COBOL, this course is designed to provide the student with a proficiency in advanced file processing and data structure techniques through COBOL implementation. A major portion of the course is devoted to the theory and practice of file processing as it relates to sequential, relative and indexed file structures and manipulations. Multi-level table processing, sorting, and subprogramming are also considered. Using a current COBOL environment, students are required to design and implement programming projects of considerable complexity. Prerequisite: CAIS 0205.

CAIS 0310 DATABASE MANAGEMENT (3) An introductory course in database, to include fundamental concepts, design and underlying theory. Data structures supportive of the database environment, along with rationale, objectives, and design and data modeling concepts will be considered. The relational model will be emphasized, to include relational operations, normalization and anomalies, and data definition, manipulation and query techniques. Technical aspects of database administration, such as security, recovery and concurrency will also be considered. Prerequisite: CAIS 0210 or CAIS 0320

CAIS 0312 END-USER COMPUTING: AN OVERVIEW (3) An overview of end-user computing, to include the history and evolution of end-user computing, the identification of various end-user types, and an examination of end-user computing applications, risks and support activities. The organizational context of end-user computing, and particularly the concept and role of the information center, will be considered in the development of strategic planning for end-user computing. Prerequisite: CAIS 0346 or permission of instructor.

CAIS 0315 MULTIMEDIA PRESENTATION TECHNOLOGY (3) A hands-on introduction to developing interactive presentations. Students will use authoring software to design and implement electronic presentations which incorporate music, voice, text, graphics, and video. The course provides an overview of available multimedia technology and demonstrates how that technology can be used to enhance presentations of services and resources associated with libraries, businesses and educational institutions. Prerequisite: Knowledge of a high-level programming language, or permission of instructor.

CAIS 0320 DATA STRUCTURES/ALGORITHM ANALYSIS (4) A study of fundamental algorithms which act on data structures, along with analysis of such techniques. This course requires extensive programming by the student, and provides the student with a sound theoretical background for applications to database management, operating systems, and compiler construction. Topics covered include stacks, queues, linked lists, tree structures, sorting and searching techniques. Prerequisites: CAIS 0102 and CAIS 0120.

CAIS 0330 COMPUTER ARCHITECTURE (3) Topics include: machine instruction sets, addressing schemes, control units (hardwired and microprogrammed), memory organization, storage mechanisms, I/O processing (data paths and interrupts), discussions of state-of-the-art computer architectures. The student will be introduced to advanced computer architectures centering around parallel processing, pipelining, array processors, and multiprocessor systems. Time permitting, additional concepts will be covered including RISC architectures, connection machines, data flow, and VLSI. Prerequisites: CAIS 0206 and PHYS 0137.

CAIS 0337 NETWORKING AND CLIENT/SERVER COMPUTING (3) An introduction to networking and client/server computing through the utilization of a local area network. Topics will include basic network physical design, standard network architectural models, commonly used data transmission protocols, and network system administration. Principles of client/server computing will be introduced and applied through the development and implementation of a client/server application. Corequisite: CAIS 0310 or CAIS 0320.

CAIS 0339 OPERATING SYSTEMS (3) Topics to be discussed include I/O programming (microprogramming and device handling routines), memory management (including real and virtual memory management), processor management (including interrupt processing), concurrent programming, file systems, and secondary memory management. Students will be required to complete one or more large programming projects. Time permitting, specific O.S. case studies will be done. Prerequisites: CAIS 0305, CAIS 0320 and CAIS 0330.

CAIS 0341 COMPUTER GRAPHICS (3) Topics in computer graphics software and hardware such as microcomputer graphics, graphics software standards, windowing, graphical I/O devices, and low-level graphics algorithms. As time permits, high-level graphics such as CAD systems, scientific visualization systems, solid modeling, color, shading, and computer vision may be discussed. Prerequisite: CAIS 0120

CAIS 0346 SYSTEMS ANALYSIS AND DESIGN (3) An overview of the Systems Development Life Cycle. In addition, the most popular tools and methodologies for system analysis, documentation, design, and development. Through the use of individual projects and exercises or a semester-long case study, students will do major portions of the analysis and design of an information system of moderate complexity. Students will become familiar with traditional approaches to analysis and design as well as at least one of the popular structured methodologies in current use. Prerequisite: Knowledge of a high level programming language.

CAIS 0347 TELECOMMUNICATIONS (3) A course dealing with an overview of the telecommunications industry concentrating on computer networks and how they operate. Telecommunication hardware (modems, multiplexers, optic fiber, coaxial cable, etc.) is discussed. Local Area Networks, ISDN, and Wide Area Networks are covered. The ISO OSI network model is reviewed and communications protocols including Aloha, Slotted Aloha, Xmodem, BSC, and HDLC are discussed and analyzed. Prerequisites: MATH 0104 and knowledge of a high level programming language.

CAIS 0350 ARTIFICIAL INTELLIGENCE (3) A survey of artificial intelligence, including AI languages, applications of data structures, interaction with the external environment, and expert systems. Prerequisite: CAIS 0320.

CAIS 0351 INTRODUCTION TO THE THEORY OF COMPUTATION (3) Presentation of topics of current theoretical interest in computer science chosen from among grammars, finite automata, Turing machines, cellular automata and other models of computers; computability theory; and computational complexity. Prerequisites: CAIS 0120 and MATH 0118.

CAIS 0353 APPLIED DEVELOPMENT PROJECT (3) A practicum in systems development, utilizing real projects or detailed cases. A team approach is used to analyze, design, document, and develop realistic computer-based information system. Students are required to apply concepts, principles, problem-solving strategies, techniques, and tools learned in previous computer science and business courses in developing the system. Prerequisite: CAIS 0346.

CAIS 0363 COMPUTER SCIENCE SENIOR PROJECT (3) A capstone project experience for computer science majors utilizing theoretical principles, problem solving strategies, tools, and techniques from previous computer-related study. The student will be required to propose, develop, and implement a computer-based solution of significant complexity for a project, or research activity, approved by the instructor. Potential endeavors may include, but are not limited to, production of a compiler, the design and development of a database system application, the formulation of a case-based reasoning system, the implementation of image processing techniques, or creation of a client/server application. Prerequisites: CAIS 0320 and senior standing in Computer Science.

CAIS 0380 SPECIAL TOPICS IN COMPUTER AND INFORMATION SCIENCE (3) A study of an advanced topic of special interest to COMS or CIS majors that is not covered in a course currently in the Bulletin. Topics generally involve new, current or evolving issues, and offerings depend on student and instructor interests. May be repeated for credit if topic differs. Prerequisite: Permission of the instructor.

CAIS 0396 COMPUTER SCIENCE INTERNSHIP A (3) An on-campus internship experience for computer science and computer information systems majors. This experience will involve 8-10 hours per week. Prerequisite: Permission of instructor.

CAIS 0397 COMPUTER SCIENCE INTERNSHIP B (3) An internship experience which may be on or off campus depending on availability. Students might participate in a major system design project on-campus or might be interning at a business location in the Greater Springfield Area. Prerequisite: Permission of instructor.

Note: "Knowledge of a high-level programming language" may be satisfied by CAIS 0117, CAIS 0120, CAIS 0131, CAIS 0205, or comparable previous programming experience.

CRIMINAL JUSTICE

The goal of the Criminal Justice program is to develop among present and future employees of the criminal justice system and students of the liberal arts an increased awareness of the roles of law enforcement, courts, and corrections, and a better understanding of the social, political and economic forces which influence that system.

The course of study consists of an extensive overview of the criminal justice system and an intensive examination of each of the major components of the system. The program is designed to serve both those students who may elect to enter the criminal justice profession immediately upon graduation and those students who desire to pursue graduate work. Criminal Justice majors are able to apply for an internship and work in a criminal justice related agency or organization during their senior year.

REQUIREMENTS FOR CRIMINAL JUSTICE MAJORS

The Criminal Justice major consists of 39 credits. All students must take at least 21 Criminal Justice credit-hours at Westfield State College. There are five required courses in the major.

CRJU 0101 Introduction to Criminal Justice	(3)
CRJU 0201 Law Enforcement and Society	(3)
CRJU 0202 Introduction to Corrections	(3)
CRJU 0205 American Judicial System	(3)
CRJU 0331 Research Methods	(3)

These three-credit courses amount to 15 of the 39 required credits in Criminal Justice. Students choose electives in the major to complete the remaining 24 credit-hours.

COURSES

CRJU 0101 INTRODUCTION TO CRIMINAL JUSTICE (3) A survey of the American Criminal Justice System as a socio-political institution. The police, criminal courts, and correctional and rehabilitative endeavors will be analyzed within the framework of empirical research from the perspectives of the social sciences. Required of all Freshmen in the Criminal Justice major.

CRJU 0201 LAW ENFORCEMENT AND SOCIETY (3) The structure and function of law enforcement agencies in contemporary society will be analyzed in their sociological context. Particular emphasis will be placed on the role of the police within the framework of the Criminal Justice System. Prerequisite: CRJU 0101 or its equivalent.

CRJU 0202 INTRODUCTION TO CORRECTIONS (3) An in-depth examination of the American Correctional System. Traditional punitive measures will be analyzed in relation to current reintegration alternatives. Prerequisite: CRJU 0101 or its equivalent.

CRJU 0203 CRIMINAL LAW (3) The function of criminal law and its relationship to various criminal offenses, including crimes against persons and crimes against property. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0204 PRINCIPLES OF CRIMINAL INVESTIGATION (3) The science of investigation of crimes, laboratory techniques, interpretation of data, and elements of specific crimes. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0205 AMERICAN JUDICIAL SYSTEM (3) An examination of the development of law and the American legal system. The problems related to the meaning and uses of law; the organizational hierarchy of the courts; and the role of the courts in the criminal justice system.

CRJU 0206 CRIME IN THE CITY (3) An examination of the distribution and crime patterns within an urban area. Particular emphasis will be placed on theoretical and environmental causes of urban crime. Additionally, this course will attempt to focus on urban policies that address the problems of crime in the city. Analysis of victim-precipitated crime, concentric zone theory, and urban migration, will be among the issues considered. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0207 ISSUES IN CONTEMPORARY SECURITY (3) An overview of security systems applicable to contemporary industrial and commercial demands. Losses through physical, technological, and personnel hazards are viewed as preventable phenomena if vulnerabilities are recognized and ameliorative measures taken. Counter-measures will be weighed within the framework of loss criticality and cost of effectiveness. Prerequisite: CRJU 0101 or its equivalent.

CRJU 0301 JUVENILE PROCEDURE (3) An examination of the underlying philosophy of juvenile justice and procedures used to process a juvenile alleged to be delinquent through the juvenile justice system. The course will focus on the differences between juvenile procedure and adult criminal procedure by examining recent court decisions and statutory law pertaining to juveniles. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205 or their equivalent.

CRJU 0303 PATTERNS OF CRIMINALITY (3) The U.S. Department of Justice Index Crimes will be studied along with other crimes, which will be selected on the basis of their contemporary administrative significance and their effect on the criminal justice system in particular. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0304 PREVENTION AND CONTROL (3) An in-dcpth examination of the criminal justice system and the cfforts it has exerted in an attempt to prevent and control criminal behavior. Course will focus on the traditional mcthods including probation and parole as wcll as recent trends in crime control and prevention: the utilization of community based treatment programs and attempts by many criminal justice agencies to avoid the processing of individuals through the system. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0305 PRINCIPLES OF EVIDENCE AND PROOF (3) The study of the different types of evidence, relevance, the hear-say rule and its exceptions, impeachment and cross-examination and privileged communications. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0306 CONTEMPORARY PROBLEMS IN CORRECTIONS (3) An intensive analysis of selected problems in institutional and community corrections. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0307 CONTEMPORARY PROBLEMS IN LAW ENFORCEMENT (3) An intensive analysis of selected problems in American law enforcement and police-community relations. A major research paper is required. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0308 RIGHTS OF THE CONVICTED (3) An examination of the legal rights of the individual who has been convicted of a crime. This lecture course will focus specifically on both federal and state laws and court decisions dealing with the legal rights of probationers, confined prisoners, and parolees in the American criminal justice system. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0310 ORGANIZED AND WHITE COLLAR CRIME (3) The methods through which organized crime influences and, in many instances, controls entire communities. Traditional types of crime heavily influenced by organized crime, such as loan sharking and gambling, will be analyzed in an effort to demonstrate the basis of power and wealth of organized crime in the United States. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0311 VICTIMOLOGY (3) Criminal-victim relationships, with emphasis on victim-precipitated crimes and compensation to the victims. Consideration is given to: concept and significance of victimology; time, space, sex, age, and occupational factors in criminal-victim relationships; victims of murder, rape, other violent crimes and property crimes; victim typology; the public as victim; restitution and compensation to victims. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0312 WOMEN AND THE LAW (3) An examination of the female and her involvement with the legal processes in the United States. Attention will bc focused on the female as the offender and as the victim. Analysis of the various thcoretical approaches to understanding the female offender will be presented in addition to an exploration of the recent literature on the female and the criminal justice system. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0313 QUANTITATIVE METHODS IN CRIMINAL JUSTICE (3) Examines the relationship and application of statistical techniques to theory building and concept construction. Gives an overview of statistical methods and their appropriateness for research in criminal justice. In addition, various computer-oriented analytical tools and data processing systems available to the criminal justice practitioner will be surveyed. Prerequisite: CRJU 0331 or its equivalent.

CRJU 0314 SEMINAR ON OFFENDER REHABILITATION (3) The "nothing works" doctrine generated by the controversial Martinson Report has resulted in considerable confusion regarding the effectiveness of corrections programs designed to elicit specific behavioral changes on the part of the correctional client. This course will thoroughly examine the debate surrounding the "nothing works" doctrine and present those methods of rehabilitation that have proven effective in the treatment of offenders. Probation, parole and programs for the incarcerated offender will be the primary focus of this course. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0315 STRESS AND THE CRIMINAL JUSTICE SYSTEM (3) An intensive examination of the interpersonal stresses indigenous to Criminal Justice practitioners. Stress management within Criminal Justice organizations will be considered in terms of the administrative and functional problems encountered. Special attention will be given to the criminal justice environment which deals with social service and control on a twenty-four hour basis. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0316 CIVIL LIABILITIES OF CRIMINAL JUSTICE PROFESSIONALS (3) The civil liability for harm inflicted on another. Topics to be considered will include: intentional torts such as assault, battery, and false imprisonment; negligence; torts of strict liability; libel, slander and defamation; liability of owners and occupiers of land; and the liability of state and federal employees for harm caused in their respective professional capacities. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0317 EVOLUTION OF AMERICAN LAW ENFORCEMENT (3) A critical analysis of the contemporary American law enforcement establishment in relation to the evolutionary forces that have contributed to its development. Excepting modern technology, the law enforcement function tends to run in predictable cycles. Traditional in origin, these cyclical phenomena may be observed in the patterns of older societies. Reflections of the past are deemed vital to a more objective and well-rounded perception of current issues.

CRJU 0318 SPECIAL TOPICS IN CRIMINAL JUSTICE (3) Contemporary analysis of topical criminal justice problems or programs of special interest because of state, federal or international events. The instructor will select an area of study which merits special investigation because of contemporary factors in the external environments in which the criminal justice system must operate. The instructor will relate the special topic to traditional materials, but will emphasize how current circumstances give it a unique nature. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0319 ECONOMIC CRIME (3) The manner in which professionals in business are able to manipulate and control computer systems and engage in various types of white collar crime will be examined. Emphasis will be placed on consumer and computer fraud, embezzlement, and particular attention will be focused on corporate crime and on the criminal justice system's attempts to identify, prevent, and control it. Prerequisite: CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0320 CRIMINAL PROCEDURE: FOURTH AMENDMENT RIGHTS OF THE ACCUSED (3) A study of due process, the exclusionary rule, and the legal problems associated with arrests, searches, and seizures. Prerequisite: CRJU 0205 or its equivalent, or permission of instructor.

CRJU 0321 CRIMINAL PROCEDURE: FIFTH AND SIXTH AMENDMENT (3) A study of the legal problems associated with interrogations, confessions, entrapment, lineups, and wiretapping and electronic surveillance. Prerequisite: CRJU 0205 or its equivalent or permission of the instructor.

CRJU 0330 CRIMINAL JUSTICE ADMINISTRATION (3) An examination of organizational theory and its applications within criminal justice agencies. Consideration of the principles of organization and methods adopted by progressive agencies to insure effective criminal justice service to the community will be reviewed. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0331 RESEARCH METHODS IN CRIMINAL JUSTICE (3) An introduction to scientific methodology as related to criminal justice. The course will focus on the development of hypotheses, data collection, data analysis and hypothesis verification. Attention is also given to basic statistical techniques appropriate for criminal justice research. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0332 HOMICIDE (3) An in-depth discussion of the legal definitions of and rationalizations for homicide. The statistical aggregates of those occasions will be considered in terms of demographic and ethno-cultural phenomena. The murder episode is examined within the context of morality. Prerequisite: CRJU 0101 or permission.

CRJU 0333 TERRORISM (3) This course will explore the development of terrorism as a form of crime. Topics to be studied include major terrorist groups and their strategies, tactics and targets, jurisdictional issues, anti- and counter-terrorist operations, federal law enforcement, and future trends in terrorism. Prerequisites: CRJU 0101, CRJU 0201, CRJU 0202.

CRJU 0334 DRUGS AND CRIME (3) This course will present an overview of the problems of drug-related crime in contemporary society. Specific drug substances are discussed, as well as legal, cultural, and social factors in connection with drug law enforcement. Prerequisites: CRJU 0101, CRJU 0201, CRJU 0202.

CRJU 0336 SUPERVISORY PRACTICES IN LAW ENFORCEMENT (3) An examination of supervisory practices and principles utilized in public safety agencies; problems confronting the newly promoted employee; theories of organization and leadership; motivation of subordinates; effective communication; training; performance evaluation; disciplinary processes. Prerequisite: Junior status.

CRJU 0340 - 349 SPECIAL TOPICS IN CRIMINAL JUSTICE (3) An in-depth study of a limited or specialized area within the criminal justice field. Course content will vary according to the area of specialization of the instructor and the interest of the students. May be repeated if course content differs.

CRJU 0384 CASE STUDY SEMINAR: ADULT OFFENDERS (3) An eight-week class examining the life history of specific adults convicted of committing crimes, their attitudes, associates, criminality, and interaction with the criminal justice system. Each student will concentrate on a different individual. Connections between the case material and principal theories about the origins of crime, intervention strategies, and criminal justice institutions also will be considered. A field experience will normally be provided. Prerequisite: CRJU 0205, or permission of instructor and junior status or better. Cannot be taken concurrently with CRJU 0385.

CRJU 0385 CASE STUDY SEMINAR: JUVENILE OFFENDERS (3) An eight-week class examining the life history of specific juveniles implicated in one or more delinquent acts, their attitudes, associates, delinquency, and interactions with the criminal justice system. Each student will concentrate on a different individual. Connections between the case material and principal theories about the origins of crime, intervention strategies, and criminal justice institutions also will be considered. A field experiences will normally be provided. Prerequisite: CRJU 0205 or permission of instructor and junior status or better. Cannot be taken concurrently with CRJU 0384.

CRJU 0398 FIELD PRACTICUM IN CRIMINAL JUSTICE (3-6) The field practicum class involves the student's participation in the day-to-day functions of a publicly funded criminal justice agency. The course is designed to provide students with an opportunity to translate the theoretically oriented classroom experience into practical application. Consists of either 8 weeks of full-time placement or 16 weeks of part-time placement. Prerequisite: Permission of instructor.

CRJU 0399 INDEPENDENT STUDY (3-6) Individual research and independent study related to a particular aspect of criminal justice that is of special interest. Permission of instructor.

ECONOMICS AND MANAGEMENT

The Department of Economics and Management offers two majors, leading to a B.A. in Economics or to a B.S. in Business Management.

Economics is a problem-based social science dealing with the relevant contemporary issues of unemployment, inflation, monopoly, pollution, income distribution, and productivity. Economics utilizes models, or simplifying constructs, for organizing facts in an effort to develop policy alternatives. The strength of economics is its ability to provide a logical, ordered way of looking at various problems and issues.

Management is the applied science of decision making. Management principles serve as guidelines to more effective and efficient performance in organizations. Business Management offers a clear direction in the pursuit of knowledge in producing, directing, financing, and promoting products and services.

Varied in their objectives and flexible in orientation, the Economics and Management programs are geared to prepare undergraduates for successful entry into the job market. In addition, the Economics program gives students the analytical foundation for graduate study in economics, business administration, public administration, urban planning, and related disciplines. The Management program provides a sound background in the areas of accounting, finance, management, marketing, and labor relations. This program builds a solid framework for graduate work in business administration, law, public administration, and other fields.

The department's internship program is intended to allow students to apply analytical classroom material to practical experience. Acceptance into an internship program is reserved for second semester juniors and seniors with demonstrated academic competence.

REQUIREMENTS FOR ECONOMICS MAJORS

The department accepts as economics majors only those students who have demonstrated a basic level of ability and interest in economics.

REQUIRED COURSES - 21 credits

ECON 0101 Principles of Macroeconomics	(3)
ECON 0102 Principles of Microeconomics	(3)
ECON 0201 Microeconomic Theory	(3)
ECON 0202 Macroeconomic Theory	(3)
ECON 0204 Introduction to Mathematical Economics	(3)
MATH 0108 Elementary Statistics	(3)
MATH 0115 Mathematics for Business and Social Sciences	(3)

ELECTIVES FOR THE ECONOMICS MAJOR - 15 credits

ECON 0300 Money and Banking	(3)
ECON 0302 Economic History of United States	(3)
ECON 0303 Economics of Development	(3)
ECON 0304 Urban Economics	(3)
ECON 0305 Introduction to Econometric Methods	(3)
ECON 0306 Managerial Economics	(3)
ECON 0312 Labor Economics	(3)
ECON 0314 Industrial Organization	(3)
ECON 0315 Public Finance	(3)
ECON 0316 Economic History of Europe	(3)
ECON 0318 International Economics	(3)
ECON 0321 Natural Resource Economics	(3)
ECON 0350 Contemporary Economic Issues	(3)
ECON 0398 Senior Research Seminar	(3)
ECON 0399 Independent Study	(1-6)
MGMT 0338 International Business	(3)

ECONOMICS MAJOR WITH A FINANCE MINOR:

The Economics major with a Finance minor is a program designed to develop an understanding of theoretical and empirical techniques of economics combined with a comprehension of financial markets and decision making within a business enterprise. The goal of the program is to provide students with an appropriate course of study for entry into the professional job market. The course work for the Finance Minor (18 credits) is listed below.

MGMT 0207 Financial Management (required)	(3)
ECON 0300/MGMT 0320 Money and Banking (required)	(3)
ECON 0305/MGMT 0305 Introduction to Econometrics	(3)
MGMT 0312 Investments (required)	(3)
MGMT 0318 Advanced Managerial Finance (required)	(3)
MGMT 0319 Investment Portfolio Analysis	(3)
MGMT 0326 Insurance and Risk Management	(3)

ECONOMICS MAJOR WITH A BUSINESS MANAGEMENT MINOR (Required for certification as a teacher of business at the secondary level *)

REQUIRED COURSES (Economics Major) - 21 credits

ECON 0101 Principles of Macroeconomics	(3)
ECON 0102 Principles of Microeconomics	(3)
ECON 0201 Microeconomic Theory	(3)
ECON 0202 Macroeconomic Theory	(3)
ECON 0204 Introduction to Mathematical Economics	(3)
MATH 0108 Elementary Statistics	(3)
MATH 0115 Mathematics for Business and Social Sciences	(3)

ELECTIVE COURSES (Economics Major)

ECON 0300/MGMT0320 Money and Banking (3)
ECON 0306 Managerial Economics (3)
MGMT 0301 Labor Relations or
ECON 0312 Labor Economics (3)
ECON 0314 Industrial Organization (3)
MGMT 0338 International Business (3)

REQUIRED COURSES (Business Minor)

MGMT 0104 Principles of Accounting I (3)
MGMT 0105 Principles of Accounting II (3)
MGMT 0107 Software Applications in Management (3)
MGMT 0207 Financial Management (3)
MGMT 0231 Marketing Management (3)
MGMT 0241 Business Law (3)

REQUIREMENTS FOR CERTIFICATION FOR TEACHER OF BUSINESS MANAGEMENT (5-12) *

To attain certification to teach Business at the 5-12 grade level students must complete the following:

The Economics major with the Business minor
The professional sequence for the middle and secondary school specialist (described in the Education Department section)
MGMT 0351 Teaching Methods in Business

Note: New requirements are being established for students seeking licensure after Fall 2003. The proposed changes will not affect first year's course work.

NOTE: A MINIMUM CUM OF 2.8 IS REQUIRED FOR A PRACTICUM PLACEMENT

ECONOMICS MINOR

The Economics minor program is intended for non-economics majors who choose to achieve some proficiency in economic analysis. It involves a minimum of eighteen credits in Economics.

The program in economics is designed to develop an understanding of economic relationships in contemporary life in order to equip a student to analyze economic issues of social and economic policy. This includes a systematic introduction to the basic theoretical and empirical techniques of economics. The program seeks to accommodate a broad range of student interests including preparation for careers in business or government, and graduate school in economics, business, law, or public administration.

REQUIRED COURSES FOR THE ECONOMICS MINOR - 6 credits

ECON 0101 Principles of Macroeconomics (3)
ECON 0102 Principles of Microeconomics (3)

ELECTIVES FOR THE ECONOMICS MINOR - 12 credits

ECON 0201 Microeconomic Theory (3)
ECON 0202 Macroeconomic Theory (3)
ECON 0204 Introduction to Mathematical Economics (3)
ECON 0300 Money and Banking (3)
ECON 0302 Economic History of United States (3)
ECON 0303 Economics of Development (3)
ECON 0304 Urban Economics (3)
ECON 0305 Introduction to Econometric Methods (3)
ECON 0306 Managerial Economics (3)
ECON 0312 Labor Economics (3)
ECON 0314 Industrial Organization (3)
ECON 0315 Public Finance (3)
ECON 0316 Economic History of Europe (3)
ECON 0318 International Economics (3)
ECON 0350 Contemporary Economic Issues (3)
ECON 0398 Senior Research Seminar (3)
MGMT 0338 International Business (3)

REQUIREMENTS FOR BUSINESS MANAGEMENT MAJORS

Acceptance in the Business Management major is competitive. Students who have demonstrated proficiency in their status as pre-business students during their freshman and sophomore years are accepted into the Business major upon completion of 54 - 60 credits on a space available basis. Business Management majors must complete a minimum of 30 credits in the major at Westfield State College in order to graduate.

BUSINESS CORE - 33 CREDITS

MGMT 0104 Principles of Accounting I (3)
MGMT 0105 Principles of Accounting II (3)
MGMT 0107 Software Applications in Management (3)
MGMT 0207 Financial Management (3)
MGMT 0220 Production/Operations Management (3)
MGMT 0221 Business Management (3)
MGMT 0231 Marketing Management (3)
MGMT 0241 Business Law or
MGMT 0243 Aviation Law (Aviation track only) (3)
MGMT 0250 Quantitative Approach to
Business Decisions (3)
MGMT 0325 Business Policy and Strategy (3)
MGMT 0338 International Business (3)

NON-BUSINESS REQUIRED COURSES - 18 CREDITS

ECON 0101 Macroeconomics (3)
ECON 0102 Microeconomics (3)
ENGL 0103 Speech (3)
ENGL 0392 Business & Technical Writing (3)
MATH 0115 Math for Business & Social Science (3)
MATH 0108 Statistics (3)

BUSINESS CONCENTRATIONS (NOT MORE THAN ONE CONCENTRATION PER STUDENT) - 15 CREDITS

ACCOUNTING

- MGMT 0310 Federal Income Taxation (3)
- MGMT 0311 Auditing (3)
- MGMT 0315 Intermediate Accounting I (3)
- MGMT 0316 Intermediate Accounting II (3)
- MGMT 0317 Cost Accounting (3)

AVIATION MANAGEMENT

- MGMT 0130 Private Pilot Ground School (3)
- MGMT 0135 Aviation History and Development (3)
- MGMT 0261 Aviation Management (3)
- Flight Option:
  - MGMT 0122 Private Pilot Flight School: Flight I (1)
  - MGMT 0123 Private Pilot:Flight School: Flight II (1)
  - MGMT 0124 Private Pilot:Flight School: Flight III (1)
  - MGMT 0397 Aviation Internship (3)
- Non-Flight Option
  - MGMT 0397 Aviation Internship (6)

Additional elective course work in Aviation Management is recommended, according to student goals and interests.

FINANCE

- MGMT 0312 Investments (3)
- MGMT 0318 Advanced Managerial Finance (3)
- MGMT 0320/ECON 0300 Money and Banking (3)
- 0300 Level Finance Elective (3)
- 0300 Level Finance Elective (3)

MANAGEMENT

- MGMT 0301 Labor Relations (3)
- MGMT 0308 Organizational Development and Behavior (3)
- MGMT 0321 Management Information Systems (3)
- 0300 Level Management Elective (3)
- 0300 Level Management Elective (3)

MARKETING

- MGMT 0306 Distribution Management (3)
- MGMT 0307 Marketing Research Techniques (3)
- MGMT 0309 Sales and Sales Management (3)
- 0300 Level Marketing Elective (3)
- 0300 Level Marketing Elective (3)

ECONOMICS

- ECON 0201 Microeconomic Theory (3)
- ECON 0202 Macroeconomic Theory (3)
- ECON 0302 Economic History of United States (3)
- ECON 0306 Managerial Economics (3)
- Any Upper Level Economics Elective (other than MGMT 0338) (3)

BUSINESS MINOR

The Business Minor Program is intended for non-business majors who choose to develop some proficiency in the business core area. The minor involves a minimum of eighteen credits in Business chosen from the Area I courses listed below:

- MGMT 0104 Principles of Accounting I (3)
- MGMT 0105 Principles of Accounting II (3)
- MGMT 0107 Software Applications in Management (3)
- MGMT 0207 Financial Management (3)
- MGMT 0220 Production/Operations Management (3)
- MGMT 0221 Business Management (3)
- MGMT 0231 Marketing Management (3)
- MGMT 0241 Business Law (3)
- MGMT 0250 Quantitative Approach to Business Decisions (3)
- MGMT 0325 Business Policy and Strategy (3)
- MGMT 0338 International Business (3)

COMMERCIAL RECREATION AND TOURISM MINOR

The Commercial Recreation and Tourism minor is an interdisciplinary program shared by Economics and Management, Geography and Regional Planning, and Movement Science. It is designed to acquaint students with the areas of travel and transportation, hospitality, local commercial recreation, and entertainment industries. Students will learn skills for management, marketing, and operations positions in this expanding industry. Through course work and fieldwork students will be able to evaluate this area for potential job opportunities.

Six courses constitute the minor:

REQUIRED (9 credits):

- MGMT 0251 Introduction to Commercial Recreation and Tourism (3)
- One of the following:
  - MOVP 0322 Sports and the Law (3)
  - MOVP 0330 Sports Promotion (3)
- One of the following:
  - GARP 0213 Travel and Tourism (3)
  - GARP 0218 Recreation Geography (3)

Three courses from the list below, to be selected with the approval of the minor advisor (9 credits):

- GARP 0317 Special Topics (3)
- MGMT 0221 Business Management (3)
- MGMT 0231 Marketing Management (3)
- MGMT 0241 Business Law (3)
- MGMT 0336 Fundamentals of Retailing (3)
- MGMT 0350 Special Topics (3)
- MGMT 0353 Resort Management (3)
- MGMT 0354 Fieldwork in Commercial Recreation and Tourism (3)
- MOVP 0322 Sports and the Law (3)
- MOVR 0296 Special Topics (3)

Students interested in this minor are encouraged to major in one of the three areas and should seek advisement from that department.

ECONOMICS COURSES

ECON 0101 PRINCIPLES OF MACROECONOMICS (3) An introduction to economic analysis with emphasis on the application of economic principles to an understanding of contemporary problems. Topics to be discussed include: the nature of a market economy, national income, employment and fiscal policy, characteristics of the American monetary and banking system, economic growth and international trade. ECON 0101 and ECON 0102 may be taken in either order.

ECON 0102 PRINCIPLES OF MICROECONOMICS (3) Emphasis on the economics of the firm and resource allocation. Topics to be discussed include: the price and output determination under pure competition, pure monopoly, monopolistic competition, and oligopoly, the resource market, international trade, and an evaluation of American capitalism. ECON 0101 and ECON 0102 may be taken in either order.

ECON 0201 MICROECONOMIC THEORY (3) An examination of the basic assumptions and methods of analysis employed in microeconomic theory. Topics studied include: elasticity concepts, demand derivation, production and cost relationships, pricing under various market structures, and distribution theory. These topics are integrated through short and long-run analysis as applied to the firm and industry. Lecture and exercises of concepts is included. Prerequisite: ECON 0102.

ECON 0202 MACROECONOMIC THEORY (3) An analysis of theories and models of macroeconomic activity. Topics include: monetary and fiscal policy, budget deficits, unemployment, inflation, consumer spending, the role of expectations, interest rates, balance of payments, exchange rates and the role of government in a market economy. Prerequisite: ECON 0101.

ECON 0204 INTRODUCTION TO MATHEMATICAL ECONOMICS (3) A study of the mathematical methods commonly used in economic analysis. The primary purpose of the course is to introduce the student to matrix algebra and differential calculus as applied to business and economic problems. Prerequisites: ECON 0101, ECON 0102 and some knowledge of algebra.

ECON 0300/MGMT 0320 MONEY AND BANKING (3) An analysis of money, the banking system, financial markets and economic activity. The course presents the nature of money and the role of commercial banking in an historical context, as well as inflation, budget deficits, the yield curve, the stock market, the gold standard, balance of payments, exchange rates, portfolio theory and the role of the Federal Reserve System in the U.S. economy. Prerequisite: ECON 0101.

ECON 0302 ECONOMIC HISTORY OF THE UNITED STATES (3) A study of the evolution of the American economy since colonial times. Recent analysis is utilized to evaluate the economic impact of industrialization, land policy, slavery, wars, banking and transportation. The role of the government is carefully traced in this context. Prerequisite: ECON 0101 and ECON 0102.

ECON 0304 URBAN ECONOMICS (3) An economic analysis of contemporary urban issues. Topics include: Rent control, minimum wage laws, racial and gender discrimination, illegal drugs, the regulation of public utilities, inequality with regard to income and wealth, and the economics of crime. Prerequisite: ECON 0102.

ECON 0305/MGMT 0305 INTRODUCTION TO ECONOMETRIC METHODS (3) A study of the application of statistical methods and techniques to economic conditions. The primary focus of the course is the formulation, interpretation, and critical analysis of regression methodology. Topics include: hypothesis testing, multiple regression, specification errors, multicollinearity, and autocorrelation. Prerequisites: ECON 0101, ECON 0102, and Math 0108 or permission of instructor.

ECON 0306 MANAGERIAL ECONOMICS (3) An emphasis on the application of microeconomic theory in the solution of everyday business problems faced by the firm relating to production, costs, demand, expenditures, etc. A course designed for Business Management students. Prerequisite: ECON 0101 and 0102.

ECON 0312 LABOR ECONOMICS (3) An examination of the theory of wage determination and labor markets. Topics include: The economics of collective bargaining, evaluation of criteria used for wage determination, and collective bargaining issues and procedures in the economy. Prerequisite: ECON 0102.

ECON 0314 INDUSTRIAL ORGANIZATION (3) An examination of the structure, conduct and performance of industries in the United States. Determinants of industrial organization, including economies of scale, mergers, vertical integration, advertising, pricing strategies and technology, are examined. Analysis of antitrust policy focusing on legal precedents regarding monopoly, price-fixing, mergers, and deceptive practices. Prerequisite: ECON 0102

ECON 0315 PUBLIC FINANCE (3) The role of government in attaining an efficient allocation of resources and an equitable distribution of income. Emphasis is placed on criteria for the evaluation and selection of public expenditure and tax programs including the problem of coordinating federal, state and local finance. Special attention is given to current policy issues. Prerequisite: ECON 0101 and ECON 0102.

ECON 0316 ECONOMIC HISTORY OF EUROPE (3) An analysis of the economic development of Europe since feudalism. Emphasis will be given to the rise and fall of the feudal economy, the transformation of agriculture, mercantilism, the development of capitalism, the Industrial Revolution, urbanization, economic imperialism and the impact of war. Prerequisite: ECON 0101.

ECON 0318 INTERNATIONAL ECONOMICS (3) An investigation into the theoretical and empirical basis of international trade and factor movements. The course deals with such basic topics as barriers to trade, the balance of payments, international monetary relations within the context of an historical perspective, present conditions, and future expectations. Prerequisites: ECON 0101 and ECON 0102.

ECON 0321 NATURAL RESOURCE ECONOMICS (3) A study of our depletable, reusable, and renewable natural mineral, energy, and biological resources and how the application of economic analysis may provide us with a guide for their management through recycling, replenishing, substituting, etc., in order that they might continue to provide us with the necessary resources for a sustainable economy well into the future.

ECON 0350 CURRENT ECONOMIC ISSUES (3) Analysis of contemporary issues in domestic and international economic theory and policy at both macro- and micro-economic levels, including study of public vs. private sector relationships, the market structure, and the industrial base. Prerequisites: ECON 0201 or ECON 0202 or permission of instructor.

ECON 0398 SENIOR RESEARCH SEMINAR (3) Students apply analytical procedures to specific economic problems of local, national or international significance, and receive training in the preparation of research reports. Class discussion on student reports and assigned readings dealing with issues of economic theory and policy. Under faculty guidance, students will select a topic, design a research procedure, and complete an individual or group project. Prerequisite: ECON 0201 and ECON 0202.

ECON 0399 INDEPENDENT STUDY (3-6) Prerequisite: Permission of instructor.

MANAGEMENT COURSES

NOTE: Junior status is required for all courses except for those marked with an asterisk (*).

*MGMT 0101 INTRODUCTION TO BUSINESS (3) An introduction to the field of Business Management. The course covers types of businesses, their organization, and the general functions of financial management, production management and marketing management. (For non-business majors only).

*MGMT 0104 PRINCIPLES OF ACCOUNTING I (3) Development of a framework of concepts underlying the preparation of corporate financial statements which are useful to investors, economists, the general public, and other interested external parties. The balance sheet and income statement as conventionally reported by American corporations are studied as to methodology for their preparation, their interpretation, and their strengths and limitations. Prerequisite: MGMT 0107.

*MGMT 0105 PRINCIPLES OF ACCOUNTING II (3) Continuation of the emphasis in Principles of Accounting I upon corporate financial reporting to external parties. An introduction to the concepts underlying the preparation of accounting information which is useful to management in the planning and control of business operations. Prerequisite: MGMT 0104.

*MGMT 0107 SOFTWARE APPLICATIONS IN MANAGEMENT (3) Examines software designed for management including spreadsheets, data-base packages, and mainframe communications. Provides practical experience as well as systems theory necessary for managerial decision-making. Fundamentals of computer literacy and logical thinking, as they relate to management, are emphasized.

MGMT 0122 PRIVATE PILOT FLIGHT SCHOOL: PRIMARY FLIGHT I (1) This course consists of flight instruction and ground tutoring necessary for the student to accomplish his or her first solo flight. Lessons include elements of flight principles, pre-and-post flight procedures, taxiing and ground handling, use of flight controls, basic maneuvers, take-offs and landings. Introduction to aircraft systems, radio communications, and air traffic control procedures. One two-hour lecture/demonstration period weekly for one semester.

MGMT 0123 PRIVATE PILOT FLIGHT SCHOOL: PRIMARY FLIGHT II (1) This course is a continuation of Primary Flight 1, designed to prepare the student for solo cross-country flight. Lessons provide greater proficiency in maneuvers, stalls take-offs and landings, and emergency procedures. Introduction to night flights, various types of VFR navigation and VOR tracing. Flight planning, cross-country flying culminating in solo cross-country. One two-hour lecture/demonstration period weekly for one semester. PrerequisiteMGMT 0122.

MGMT 0124 PRIVATE PILOT FLIGHT SCHOOL: PRIMARY FLIGHT III (1) Continuation of Primary Flight 11 with emphasis on crosscountry navigation, flying, flight planning, and solo practice to gain proficiency in all basic maneuvers. Lessons include IFR radio and navigation control of aircraft solely by reference to instruments. Private pilot qualifications are completed. One two-hour lecture/demonstration period weekly for one semester. Prerequisite: MGMT 123.

MGMT 0130 PRIVATE PILOT GROUND SCHOOL (3) Private pilot ground school provides all required ground instruction for the Private Pilot Certificate. Upon successful completion of this course, students will receive an endorsement to take the FAA Private Pilot written examination. Topics discussed in this course include: aerodynamics, flight theory, aircraft systems, powerplants, aircraft control and operation, safety, communications, airspace, navigation, weight & balance, meteorology, FAA regulations, flight physiology, Crew Resource Management, (CRM), and aircraft performance. (Credit by examination is available at the discretion of the Aviation Program Coordinator).

MGMT 0135 AVIATION HISTORY AND DEVELOPMENT (3) A survey of the history of America in the Twentieth Century, emphasizing the development and growth of aviation as a major influence upon the economic, military, and societal development of the United States.

MGMT 0205 FUND ACCOUNTING (3) Concerns the accounting theory applied to nonprofit entities such as municipalities, universities, hospitals, and churches. Content constitutes a significant portion of the Uniform Certified Public Accountant examination. Prerequisite: MGMT 0104.

MGMT 0207 FINANCIAL MANAGEMENT (3) An analysis of the financial structure of American business with major emphasis on corporate finance. Among the topics to be considered are: promotion, government regulation of security sales, stocks, bonds, and stock market, investment banking, corporate dividend and investment policies, security analysis, working capital, corporate capital structure, government regulation of financial policies and mutual funds. Some attention is given to broad economic problems such as the influence of corporate finance on prices, investment, saving, prosperity and depression. Prerequisite: MGMT 0104.

MGMT 0220 PRODUCTION/OPERATIONS MANAGEMENT (3) Provides students with a working knowledge of manufacturing and purchasing operations. The course covers: manufacturing methods, location and layout, production planning and control, purchasing, inventory control, quality control, labor relations, and general manufacturing management. Prerequisite: MGMT 0104.

MGMT 0221 BUSINESS MANAGEMENT: A SURVEY OF ORGANIZATIONAL DEVELOPMENT AND MANAGEMENT PRINCIPLES (3) Provides a general probe into the role of management in business, exploring concepts of management used in business, various issues of Business Management structures and the organization of management. Topics to be studied include: an examination of a systems approach to management, human behavior, personality conflict in organizations and techniques of creative management. The course shall touch upon several leadership development strategies, models of executive action in business policy or control, and provide a broad comprehensive over-view of current issues concerning women, minorities and social responsibility in the field of Business Management. Prerequisite: MGMT 0107.

MGMT 0231 MARKETING MANAGEMENT (3) A developmental survey into the field of Marketing in business, which will study the roles of marketers in business and society as a whole. Concentration shall be placed on defining what is marketing, what does a marketing executive do, what are the various systems of marketing, and what economic factors affect marketing. In order to probe these questions, the course shall examine consumer behavior, purchase decision making, product pricing, policy and planning, channels of distribution in business, and marketing institutions and organizations. Further dimensions of advertising, marketing research, analysis, forecasting, and marketing information flows, controls and performance shall be explored. Prerequisite: Junior status.

*MGMT 0241 BUSINESS LAW I (3) Develops an understanding of the philosophical and logical development of the law and its relationship to business through the use of text and case analysis. Explores, in-depth, substantive contract law, which forms the basis for business transactions, commencing with the initial negotiation and offer through performance of legally binding obligations and the remedies available if obligations are not performed.

*MGMT 0243 AVIATION LAW (3) Aviation Law is a study of the evolution of federal civil aviation regulations in the United States at the federal and state levels. The course analyzes past and present problems resulting in regulation of the industry. Particular topics include safety, airport funding legislation, and international aviation legislation. Additional areas of study include the liabilities of pilots and operators, liens, security interests, international conferences, bilateral and multilateral agreements, and criminal statues.

MGMT 0250 QUANTITATIVE APPROACHES TO BUSINESS DECISIONS (3) Covers the application of quantitative techniques to business problem-solving and decision making. Subjects include linear programming, probabilities, simulations, PERT, queuing, and game theory. The application of these analytical tools to business decision problems such as: distribution, inventory control, product mix, scheduling, competitive strategy, and forecasting is covered through case analysis. Approximately 1/3 of the course is devoted to case work. Prerequisites: MGMT 0207, MGMT 0220, MGMT 0231.

MGMT 0251 INTRODUCTION TO COMMERCIAL RECREATION AND TOURISM (3) Analysis of the commercial recreation and tourism industries. Includes a study of participant profiles, types of commercial and resort enterprises and national tourism studies. Also included will be employment opportunities trends and issues. Field visits are required. Prerequisite: Sophomore status.

MGMT 0261 AVIATION MANAGEMENT (3) Survey of general aviation industry; basics of aircraft operations; marketing of products and services; legal aspects; physical facilities; major concentration will be placed on management and administration of a fixed base operation, duties and responsibilities of airport management and managerial considerations in all areas of general aviation.

MGMT 0262 INSTRUMENT PILOT GROUND SCHOOL (3) Topics include discussion of aircraft environmental control systems and commercial flight planning, study of instrument flight charts, IFR departure, enroute, and approach procedures. Prepares students for Federal Aviation Administration (FAA) written examination. Prerequisite: Private Pilot License.

MGMT 0263 INSTRUMENT PILOT FLIGHT TRAINING (3) Emphasis on analysis of altitiude instruments, instrument approaches, and en route operations. This course will prepare students for the Federal Aviation Administration (FAA) practical test. Prerequisite: MGMT 0262.

MGMT 0301 LABOR RELATIONS (3) Examines the legal relationship between employer and employee. Uses text reading and case analysis to cover labor legislation, union organizations and practices, unfair labor practices, employment discrimination, and affirmative action programs. Prerequisite: MGMT 0241.

MGMT 0302 SMALL BUSINESS MANAGEMENT (3) A detailed study of the knowledge required and the factors involved in starting and operating a small business. Cost and money management are emphasized. Other areas covered include: product selection, location and timing, pricing and other marketing techniques, purchasing and inventory control, and the personal factors contributing to success. Prerequisites: MGMT 0231, and MGMT 0241.

MGMT 0305/ ECON 0305 INTRODUCTION TO ECONOMETRIC METHODS (3) A study of the application of statistical methods and techniques to economic conditions. The primary focus of the course is the formulation, interpretation, and critical analysis of regression methodology. Topics include: hypothesis testing, multiple regression, specification errors, multicollinearity, and autocorrelation. Prerequisites: ECON 0101, ECON 0102, and Math 0108 or permission of instructor.

MGMT 0306 DISTRIBUTION MANAGEMENT (3) A vital part of the marketing world today is efficient physical distribution. Here the physical flow of products from manufacturers to retail stores is studied in depth. Included are the following areas: transportation, warehousing, inventory control, packaging, and materials handling. Prerequisite: MGMT 0231.

MGMT 0307 MARKETING RESEARCH TECHNIQUES (3) Reviews the specialized techniques for conducting marketing research and how they contribute to marketing strategy. Material covered includes quantitative and qualitative research, simulation, forecasting, survey preparation, and secondary source analysis. Prerequisite: MGMT 0231.

MGMT 0308 ORGANIZATIONAL DEVELOPMENT & BEHAVIOR (3) Examines the foundations for understanding individual and group behavior and relates these points to the problems faced by managers in organizations. Emphasis is on topics of study relevant to developing managerial effectiveness in interrelationships with other organizational members. Course attempts to develop an understanding of the relationship between individual and organization and to identify management skills that can contribute to effective performance. Prerequisite: MGMT 0221.

MGMT 0309 SALES AND SALES MANAGEMENT (3) A course in effective salesmanship and how to set up and control a field sales organization. Course emphasizes the role of personal selling in the marketing mix and covers all basic sales management issues. Prerequisite: MGMT 0231.

MGMT 0310 FEDERAL INCOME TAXATION (3) A first course in Federal Taxation which provides an overview of past and present Internal Revenue Codes. Emphasis is on personal and business income tax procedures and preparation. Exclusions, deductions and income from proprietorships, partnerships, rental units, trusts and estates, dividends and interest are included. Prerequisite: Junior or senior status.

MGMT 0311 AUDITING (3) Covers the principles of auditing, using accounting principles as criteria. Auditing procedures and analysis of supporting documentation materials is emphasized. A practice audit and case studies are required. Prerequisite: MGMT 0105.

MGMT 0312 INVESTMENTS (3) A study of various investment securities for analysis and valuation. Included are corporation, public utility, banking, and investment company securities. Prerequisite: MGMT 0207.

MGMT 0313 COLLECTIVE BARGAINING (3) Combines the historical, behavioral, and legal elements covering the process of negotiating contractual conditions of employment. Current labor agreements are studied and distinctions between public and private sectors are identified. Prerequisite: MGMT 0241.

MGMT 0314 HUMAN RESOURCE MANAGEMENT (3) Covers the process of manpower planning and utilization in organizations. Personnel forecasting, employment, training and development, placement, motivation, wage and salary administration, employee benefits, and performance evaluation are covered. Special emphasis is given to problems arising between manager and subordinates, the professional in human services, minority groups, the hard-to-employ worker, and the impact of public policy. Prerequisite: MGMT 0241.

MGMT 0315 INTERMEDIATE ACCOUNTING I (3) Intermediate Accounting I advances the depth of accounting training that was pursued in the Principles course. Further study of financial reporting and of recent developments in valuation and reporting practices will be made. An appreciation of GAAP and SEC developments will be required. Prerequisite: MGMT 0105.

MGMT 0316 INTERMEDIATE ACCOUNTING II (3) A continuation of the professional theory and problem solving in accountancy developed in MGMT 0315, with emphasis on research. Prerequisite: MGMT 0315.

MGMT 0317 COST ACCOUNTING (3) Basic cost accounting methods for data collection, processing and reporting. Emphasis is on direct, job, process and standard cost systems. Estimating and profit calculation are also covered. Prerequisite: MGMT 0105.

MGMT 0318 ADVANCED MANAGERIAL FINANCE (3) A study of the financial operation and control of a corporation. Financial policies, practices, and organization are included. Prerequisite: MGMT 0207.

MGMT 0319 INVESTMENT PORTFOLIO ANALYSIS (3) Advanced analysis of market behavior involving detailed discussion of modern portfolio theory. The modern portfolio theory approach is contrasted with other evaluative techniques. Prerequisite: MGMT 0312.

MGMT 0320/ECON 0300 MONEY AND BANKING (3) An analysis of money, the banking system, financial markets and economic activity. The course presents the nature of money and the role of commercial banking in an historical context, as well as inflation, budget deficits, the yield curve, the stock market, the gold standard, balance of payments, exchange rates, portfolio theory and the role of the Federal Reserve System in the U.S. economy. Prerequisite: ECON 0101.

MGMT 0321 MANAGEMENT INFORMATION SYSTEMS (3) Provides the background and perspective necessary to understand, utilize and interact with integrated, management information systems. Various techniques from industrial engineering, computerized data processing, and operations research are covered. These techniques are then applied to the planning, design and implementation of information systems. Course involves case work. Prerequisite: MGMT 0107.

MGMT 0322 CORPORATE TAXATION: PLANNING AND PRACTICE (3) A planning approach to the taxation of corporations and formation of investment and business decisions by managers. Collapsible Corporations, capital gains treatment, charitable contributions, net operating loss, dividends received deductions, alternatives minimum tax, and reconciliation of tax and book income will be examined. Prerequisite: Junior or senior status; MGMT 0104 and MGMT 0105

MGMT 0323 COMMERCIAL PILOT GROUND SCHOOL (3) Subject matter involves advanced treatment of the airplane systems, performance and control, the National Airspace System, Federal Aviation Regulations, meteorology, radio navigation, and the physiology of flight. Students who meet FAA requirements will be qualified to take the FAA written examination. Prerequisite: Instrument Rating

MGMT 0324 COMMERCIAL PILOT FLIGHT TRAINING (3) This is a professional pilot training that includes several stages: Stage 1: Includes a review of basic flight maneuvers, precision landings, take-off and landing techniques. Stage 2: Training includes solo practice in precision flight maneuvers including night and cross-country flight. Stage 3: Concentrated instrument flight instruction including IFR navigation, use of VOR, ADF, localizer, holding patterns, flight planning, procedures and regulations. Stage 4: Continued instrument fight instruction with emphasis on . .craft control, IFR flight planning, departure, en route, holding, and arrival procedures, instrument approaches, IFR procedures and regulations. Stage 5: Complete review of all commercial maneuvers, instrument flying techniques, procedures, and regulations. Students upon completion are ready for FAA Commercial/Instrument Flight Test. Prerequisite: Enrolled in or completed MGMT 0323.

MGMT 0325 BUSINESS POLICY AND STRATEGY (3) Emphasizes management planning and control techniques in solving business problems and in determining strategy for sales and profit growth. An integrated case study approach will be used. The course will illustrate the many factors that influence complex business decisions. FOR SENIORS ONLY. Prerequisites: MGMT 0207, MGMT 0221, MGMT 0231, and MGMT 0241.

MGMT 0326 INSURANCE AND RISK MANAGEMENT (3) Provides the student with an in-depth understanding of all phases of insurance and risk management. The topics to be studied are basic principles, the nature and operation of insurance business, and the nature of risk and risk management. Included in these topics are property insurance; casualty insurance; life, accident, and health insurance; and group and social insurance. Prerequisite: MGMT 0207.

MGMT 0327 SMALL BUSINESS INSTITUTE (3) Small Business Institute is a cooperative effort between the Small Business Administration and W.S.C.'s Business Management Department. The course will supplement the academic training of business students with "real-world" problems from the small business sector. Student teams from the Business Management Program will furnish in-depth management assistance to small businesses. Areas of assistance include: accounting and record keeping, market research, advertising and sales promotion, inventory control, etc. Prerequisite: junior or senior status, and permission of department.

MGMT 0328 PRINCIPLES OF ADVERTISING (3) Vital to the world of modern business is an understanding of the role of advertising. This course provides a study of the techniques and practices of advertising today. Strategies and procedures for campaign design and execution will be examined. Students will take an advertising idea through the various stages of planning, visualizing and writing advertising copy. Prerequisite: MGMT 0231.

MGMT 0331 ADVANCED ACCOUNTING (3) An intensive course that specializes in areas of accounting including: partnerships and joint ventures, branches, consolidated statements, segment reporting, interim statements, multi-national companies, bankruptcy and reorganization, installments and consignments, fund accounting, and estates and trusts. Prerequisite: MGMT 0316.

MGMT 0336 FUNDAMENTALS OF RETAILING (3) Retailing concepts, structure, and competition are studied and evaluated. Attention is given to techniques and procedures of purchasing goods for resale. The necessity of keeping merchandise assortments adjusted to constantly changing consumer demands is analyzed. Retail organizational trends and management, market analysis, store location, sales forecasting, and retail advertising will be examined. Prerequisite: MGMT 0231.

MGMT 0337 CONSUMER BEHAVIOR (3) By gaining a better understanding of the factors that affect consumer behavior, marketers are in a better position to predict how consumers will respond to their marketing strategies. Consumer Behavior draws on the Social Sciences in addition to the quantitative characteristics of the market such as: population patterns, income distribution, living standards, and occupational changes.

MGMT 0338 INTERNATIONAL BUSINESS (3) Provides an opportunity to bring the tools and information gained in previous courses to the task of solving managerial problems in international and foreign environments. Focuses on an analysis of market opportunities and methods of entry in foreign business areas and on related business problems. Prerequisite: senior status business major or permission of instructor.

MGMT 0350 SPECIAL TOPICS (IN BUSINESS MANAGEMENT) (3) Examines and analyzes contemporary topics in Business Management. Educates the student in the application of strategy and integrates fundamental problem solving techniques into contemporary situations. Focuses on current business issues, yet takes a traditional perspective.

MGMT 0351 TEACHING METHODS IN BUSINESS (3) Preparation for teaching of business in the middle and secondary schools through the following: preparation of lesson plans and lessons and development of evaluation methods appropriate to student developmental level and specific to business content. Analysis of teaching techniques and instructional materials will focus on differences between courses aimed at developing skills and those designed to teach understanding of the conceptual basis of business and economics. Approaches to teaching studied will include the following: sensitivity to surrounding cultures within which businesses operate; interrelationship of businesses with individuals and society; need for appropriate responses to changes in technology; and importance of employment relationships to the content area.

MGMT 0353 RESORT MANAGEMENT (3) A topical course in resort and selected sports management activities. Contents include management and marketing of lodging, retail shops, rental and recreational programs, food services and other year round resort services. Additionally, the selection and operation of seasonal commercialized sports will be included. This unique course combines classroom training in addition to providing a significant work experience at the mountain. Prerequisites: Junior status, MGMT 0251, permission of instructor and departmental permission.

MGMT 0354 FIELDWORK IN COMMERCIAL RECREATION AND TOURISM (3-9) Fieldwork offers students and opportunity to work in a directed environment with professionals in the area. Here they experience the work world first hand before graduation. Students learn new skills, test their academic theories, and explore professional goals while making valuable contributions to their employer. This experience also emphasizes individual development. Only 3 credits may be applied to the Commercial Recreation and Tourism minor. Prerequisite: Permission of instructor and department.

MGMT 0397 AVIATION INTERNSHIP (3-15) Instructive endeavor in the aviation industry or an aviation-related business that complements the academic program. Full time business student/ must be a senior pursuing the aviation management concentration and have permission of department.

MGMT 0398 BUSINESS INTERNSHIP (3-15) Full time business student/ must be a second semester junior or senior and have permission of department.

MGMT 0399 INDEPENDENT STUDY Prerequisite: Permission of Department.

EDUCATION

As the oldest public coeducational teacher education institution in the nation, Westfield State College, founded in 1839, has an historical and abiding commitment to serving the educational needs of all students in the Commonwealth of Massachusetts. Our shared vision is an outgrowth of community discussions among education faculty, liberal arts and science faculty, students, and Pre K-12 teachers. Central to all of these conversations has been the tenet of building communities that encourage individual growth through commitment to social justice and the quest for an improved future for all learners. Consequently, all our Teacher Education Programs embrace a vision of *Teachers as Leaders Building Learning Communities*.

Through this shared vision, Westfield State College's teacher education programs provide innovative ways to create engagement with a variety of communities both on campus and within Pre K-12 communities. Each year our Teacher in Residence program recruits a public school educator to join education faculty to teach methods courses and work with students. In return, WSC faculty develop joint projects with public school teachers and share their work at a joint conference. In addition, the Westfield Professional Development School Network, including five elementary schools, has formalized its relationship with the college and has become an essential agency for ongoing professional development and program improvement.

Our teacher education programs integrate courses and course sequences in the Education Department with those of the college's other academic departments, and all of our undergraduate teacher education programs are accredited by the New England Association of Schools and Colleges (1990-2000). In addition, Interstate Certification Compact approval from the Massachusetts Department of Education has been awarded for elementary, middle school, secondary, and special education programs, and for the middle and secondary licensure programs.

Teacher-education programs at the elementary level include early childhood education, special education, and elementary education. At the secondary level, approved programs include English, theatre, history, mathematics, general science, chemistry, biology, business, and occupational education. Our special education programs prepare teachers to work with children with moderate disabilities at the elementary level and with children with severe disabilities at all grade levels. Students seeking a moderate disabilities license (Pre K-8) must also obtain an elementary license.

The Regulations for Educator Licensure in the Commonwealth of Massachusetts requires that all prospective teachers complete a liberal arts, sciences or interdisciplinary major. All candidates for teacher licensure must also pass a two-part licensure examination. The test established by the Massachusetts Board of Education consists of two parts: (1) a reading/writing section which demonstrates the communication and literacy skills necessary for effective instruction and communication; and (2) appropriate subject matter test(s) for each license sought. The Foundations of Reading test is required of students seeking early childhood, elementary, or students with moderate disabilities licensure.

Because the Massachusetts Department of Education continually revises teacher education standards and requirements for licensure, students are advised that Department program requirements are also subject to change to maintain compliance with both state and professional standards. The Education Department at Westfield State College makes every effort to notify students of changes in program requirements and regulations as soon as they are officially published by the state. When it is appropriate to do so, the Department advises students of potential changes in advance of formal announcement and implementation.

Westfield offers the following Massachusetts Department of Education approved majors in the liberal arts and sciences:

- Art
- Biology
- Economics
- English
- Environmental Science
- General Science
- History
- Liberal Studies*
- Mathematics
- Music
- Political Science
- Psychology
- Sociology

*Students may choose courses in education as one component of the Liberal Studies major, as long as those courses are exclusive of the courses taken for an Education major or teacher licensure program. The other two components of the Liberal Studies major must be from the liberal arts and/or sciences to meet Massachusetts's licensure regulations. The Education Department has a list of recommended academic areas that address the Massachusetts Curriculum Frameworks and strongly encourages Liberal Studies or General Science as a second major for candidates seeking early childhood, elementary or special education licensure. Please refer to the Liberal Studies major for additional requirements. The Education Department sponsors informational meetings about programs in education each semester. **Students are required to attend** and should contact the Department for meeting times.

The Education Department and the office of the Associate Dean for Education maintain admissions and retention criteria for teacher licensure programs. To be accepted for Advanced Standing within the major, licensure, or professional sequence, a student must have completed 57 credits, achieved an overall GPA of 2.6, earned an average of 2.7 (B-) or better in ENGL 0101 and ENGL 0102, and passed the Department's communication and literacy exam (i.e. Massachusetts Test for Educator Licensure (MTEL): Communication and Literacy). A minimum overall GPA of 2.8 and a passing grade on the MTEL subject matter test(s) are required for a practicum placement.

Generally, students spend the first two years completing core requirements and acquiring a broad base in the liberal arts. During the sophomore year, students also take introductory level education courses and participate in a public school classroom field experience. Retention in the program is dependent on students achieving Advanced Standing as described above. During the last two years of college, students complete their education coursework, their arts or science major, and pass the MTEL subject matter test(s). During the senior year, students complete a practicum experience. Undergraduates who have completed all of the requirements for the major or licensure program in Early Childhood or Elementary Education are recommended by the Education Department for initial licensure issued by the Commonwealth of Massachusetts.

A complete listing of teacher preparation programs sponsored or co-sponsored by the Education Department includes:

Early Childhood (Pre K-2)
Elementary (1-6)
Severe Disabilities (All Levels)
Moderate Disabilities (Pre K-8)
Business (5-12)
English (5-8)
English (8-12)
Theatre (All levels)
History (5-8)
History (8-12)
Mathematics (5-8)
Mathematics (8-12)
Biology (8-12)
Chemistry (8-12)
General Science (5-8)

ELEMENTARY EDUCATION

The Elementary Education programs are designed to prepare outstanding teachers. Students enrolled in a Bachelor of Science in Education Program may choose either Early Childhood (Grades Pre K-2) or Elementary Education (Grades 1-6) as their major field or complete a licensure program. All students majoring in education or completing a licensure program must also complete a liberal arts, sciences or interdisciplinary major. To meet licensure requirements within four years, the department encourages Liberal Studies or General Science as the second major.

PROGRAM REQUIREMENTS: **EARLY CHILDHOOD** MAJOR OR LICENSURE PROGRAM (PRE K – 2)

COLLEGE CORE COURSEWORK IN EDUCATION
- EDUC 0220 Schools in American Culture (3)
- EDUC 0380 Multicultural Education (3)

PROFESSIONAL EDUCATION COURSEWORK:
- EDUC 0221 Students with Special Needs (3)
- EDUC 0201 Learning and Assessment (3)
- EDUC 0319 Principles of Teaching and Learning (3)
- EDUC 0308 Early Childhood Curriculum (3)
- EDUC 0314 Classroom Management (3)
- EDUC 0381 Early Intervention for Young Children With Special Needs (3)
- EDUC 0305 Literature and Language Arts (3)
- EDUC 0303 Early Literacy and Reading (3)
- Education Elective (for the major only) (3)
- EDUC 0336 Practicum I: Early Childhood Pre K-2 (6)
- EDUC 0337 Practicum II: Early Childhood Pre K-2 (6)

ADDITIONAL UPPER LEVEL ARTS AND SCIENCE COURSEWORK
- PSYC 0202 Child Psychology (3)
- IDIS 0260 Elementary Math and Science (4)
- MOVP 0303 Health Education in the Elementary School Or MOVP 0212 Concepts of Nutrition (3)
- EDUC 0396 Seminar Recent Developments: Computers In Education **or** Other ISTE Standards-based technology course (3)
- EDUC 0309 Children's Literature **or** Other approved children's literature course(3)
- Elective course work in two of the following areas: Math, Science, History or Geography (6-8)

PROGRAM REQUIREMENTS: **ELEMENTARY** MAJOR OR LICENSURE PROGRAM (1-6)

COLLEGE CORE COURSEWORK IN EDUCATION
- EDUC 0220 Schools in American Culture (3)
- EDUC 0380 Multicultural Education (3)

PROFESSIONAL EDUCATION COURSEWORK:
- EDUC 0221 Students with Special Needs (3)
- EDUC 0201 Learning and Assessment (3)
- EDUC 0319 Principles of Teaching and Learning (3)
- EDUC 0306 Elementary Curriculum and Instruction (3)
- EDUC 0311 Social Studies in the Elementary School (3)
- EDUC 0314 Classroom Management (3)
- EDUC 0305 Literature and Language Arts (3)
- EDUC 0303 Early Literacy and Reading (3)
- Education Elective (for the major only) (3)
- EDUC 0338 Practicum (6-12)

ADDITIONAL UPPER LEVEL ARTS AND SCIENCE COURSEWORK

PSYC 0202 Child Psychology (3)
IDIS 0260 Elementary Math and Science (4)
MOVP 0303 Health Education in the Elementary School
Or MOVP 0212 Concepts of Nutrition (3)
EDUC 0396 Seminar Recent Developments: Computers In Education **or**
Other ISTE Standards-based technology course (3)
GARP 0210 Cultural Geography **or**
GARP 0101 World Regional Geography (3)
Mathematics or Science Elective (3-4)
World History Elective (3)

CORE COURSEWORK: EARLY CHILDHOOD AND ELEMENTARY LICENSURE

The following core coursework is required for students completing the major or licensure programs in **Early Childhood and Elementary** education:

ENGL 0101 English Composition I (3)
ENGL 0102 English Composition II (3)
ART 0106 Art Survey I **or**
ART 0104 Design Fundamentals * (3)
MUSC 0101 Music Appreciation **or**
MUSC 0110 Basic Music Theory * (3)
HIST 0130 U.S. History and Government (3)
PSYC 0101 Introduction to Psychology (3)
EDUC 0220 Schools in American Culture (3)
PHYS 0101 Physical Science (4)
BIOL 0102 Environmental Biology **or**
BIOL 0104 Human Biology **or**
BIOL 0106 Biology Today (4)
MATH 0150 Foundations: Mathematical Reasoning (3)
MATH 0110 Math Explorations **or**
MATH 0111 Math Applications **or**
MATH 0108 Elementary Statistics **or**
MATH 0104 Precalculus (3)
EDUC 0380 Multicultural Education (3)

Additional Core Requirements for **Elementary Education:**
ENGL 0215 Major American Writers (3)
ENGL 0221 World Literature to 1750 **or**
ENGL 0222 World Literature Since 1750 **or**
Other World Lit course that includes British Lit (3)
ECON 0101 Principles of Macroeconomics **or**
ECON 0102 Principles of Microeconomics (3)

* Note: ENGL 0104 Introduction to Theatre may be substituted for the art or music course.

SPECIAL EDUCATION

In general, the Special Educator is trained in the educational, social, emotional and vocational influences of developmental deviations; observation, identification, assessment and programming processes; adaptation and development of curriculum materials; language acquisition; analysis of behavior; the development and implementation of individual educational programs; knowledge about the legislation; and comprehensive support services for special needs populations.

Massachusetts State Law requires that children with special needs be served non-categorically and within the least restrictive environment possible. Federal law P.L. 94-142, the Education for All Handicapped Children's Act reinforces Massachusetts's legislation and guarantees full education and due process for the handicapped. Regulations designed to implement these laws clearly state the need for special education teachers to provide services to children who exhibit a wide range of special needs. Therefore, our Special Education Programs respond to these regulations. Two programs are currently available to students:
1. Teacher of Students with Moderate Disabilities (Pre K-8)
2. Teacher of Students with Severe Disabilities (All Levels)

The program for Teacher of Students with Moderate Disabilities 5-12 is pending governance and should be available in the fall of 2002. The program of study will be similar to Pre K-8 with accommodations made for level differences.

Students may choose to major or complete the licensure program sequence to prepare as a teacher of children with moderate or severe special needs. **Students completing Teacher of Students with Moderate Disabilities (Pre K-8) must also complete an elementary license.** Moreover, students seeking either licensure program in special education must complete a second major in liberal arts or sciences, or an interdisciplinary major (i.e. Liberal Studies). The Department encourages Liberal Studies as the second major for students seeking to complete their programs within four years.

PROGRAM REQUIREMENTS: **TEACHER OF STUDENTS WITH SPECIAL NEEDS** MAJOR or LICENSURE PROGRAMS

REQUIRED COLLEGE CORE COURSEWORK: SPECIAL EDUCATION

Moderate Disabilities License Pre K-8: Students must follow core requirements for Elementary Licensure.

Severe Disabilities License All Levels: Students are encouraged to follow core requirements for Elementary Licensure.

COLLEGE CORE COURSEWORK IN EDUCATION

EDUC 0220 Schools in American Culture (3)
EDUC 0380 Multicultural Education (3)

EDUCATION COURSEWORK

EDUC 0319 Principles of Teaching and Learning (3)
PSYC 0202 Child Psychology **or**
PSYCH 0203 Adolescent Psychology (3)

SPECIAL EDUCATION CORE COURSEWORK

EDUC 0221 Students with Special Needs (3)
EDUC 0303 Early Literacy and Reading (3)
EDUC 0376 Developmental Disabilities (3)
EDUC 0378 Classroom Management of Students with Behavioral/Emotional Problems (3)
EDUC 0381 Early Intervention for Young Children With Special Needs (3)
EDUC 0385 Home/School Collaboration and Community Inclusion (3)
Education Elective (major only) (3)

COURSES SPECIFIC TO MODERATE DISABILITIES LICENSE PRE K-8

EDUC 0371 Identification, Assessment, Planning and Programming (3)
EDUC 0377 Learning Disabilities (3)
EDUC 0397 Practicum: Moderate Special Needs (6)

COURSES SPECIFIC TO SEVERE DISABILITIES LICENSE ALL LEVELS

EDUC 0367 Identification, Assessment, Planning and Programming in Special Education (3)
EDUC 0386 Accommodations and Supports: Medical/ Social/Communication (3)
EDUC 0389 Practicum: Intensive Special Needs (12)

SECONDARY (AND MIDDLE) EDUCATION

Secondary Education programs prepare students to teach select academic disciplines at the middle and senior high schools. The course work in instructional methods emphasizes helping the pre-service teacher become skilled at communicating the principles and concepts basic to an academic subject. Students gain first-hand experience in actual classroom situations early in their college studies, usually in the sophomore year. With an emphasis on acquiring content in the academic discipline and with intensive preparation in simulated and actual teaching situations, students experience and demonstrate competencies required for successful teaching.

Students may elect to prepare for teaching in one or more of the following areas: Art (Pre K-8,5-12), Biology (8-12), Chemistry (8-12), Theatre (all levels), English (5-8, 8-12), General Science (5-8), History (5-8, 8-12), Mathematics (5-8, 8-12), Music (all levels), Physical Education (Pre K-8, 5-12). Students seeking licensure in Art, Music or Physical Education should refer to the specific requirements listed under the academic major.

Students preparing to teach at the middle or secondary level must complete the Professional Sequence in Education in addition to the requirements of the appropriate major. First year students should make an appointment to see the Education Department Chair to register for the Professional Sequence. All students are encouraged to meet regularly with their education advisor to ensure a timely completion of program requirements.

To be accepted for Advanced Standing within the major, licensure, or professional sequence, a student must have completed 57 credits, have achieved an overall GPA of 2.6, earned an average of 2.7 (B-) or better in ENGL 0101 and ENGL 0102, and passed the Department's communication and literacy exam (i.e. Massachusetts Test for Educator Licensure (MTEL): Communication and Literacy). A minimum overall GPA of 2.8 and a passing grade on the MTEL subject matter test(s) are required for a practicum placement. Undergraduates who have completed all the requirements of the licensure program in secondary education are recommended by the Education Department for initial licensure issued by the Commonwealth of Massachusetts.

PROFESSIONAL SEQUENCE: MIDDLE SCHOOL TEACHER (GENERALIST) (GRADES 5-8)

The Middle School Generalist License is most appropriately earned in conjunction with elementary or middle school specialist licensure. Students must complete a liberal arts, science, or interdisciplinary major. State regulations stipulate an academic concentration of a minimum of 24 semester hours in each of two subjects selected from English, history, mathematics, and science or 36 semester hours in an integrated mathematics/science or integrated English/history program of study. Students seeking this license are encouraged to select Liberal Studies or General Science as their academic major and should meet with their advisor to plan a course of study.

PROFESSIONAL SEQUENCE CORE:

EDUC 0220 Schools in American Culture (3)
EDUC 0380 Multicultural Education * (3)

* Note: Students seeking Teacher of English licensure satisfy this requirement through English major coursework

PROFESSIONAL SEQUENCE COURSES MIDDLE SCHOOL GENERALIST:

EDUC 0221 Students with Special Needs (3)
EDUC 0318 Reading in the Content Area (3)
EDUC 0321 The Middle School and Its Students (3)
EDUC 0352 Educational Planning and Evaluation: Middle School (3)
EDUC 0359 Curriculum and Instruction: Middle School Generalist (3)
EDUC 0364 Practicum: Middle School (6)
PSYC 0203 Adolescent Psychology (3)
(prerequisite Psychology 0101)

PROFESSIONAL SEQUENCE: MIDDLE (GRADES 5-8) AND SECONDARY (GRADES 8-12) SPECIALIST

The Professional Sequence for Middle and Secondary Specialist must be completed by students intending to teach an academic subject area in the Middle or Secondary School. Students must complete an academic major in the subject area in which the licensure is sought.

PROFESSIONAL SEQUENCE CORE:

EDUC 0220 Schools in American Culture (3)
EDUC 0380 Multicultural Education * (3)

* Note: Students seeking Teacher of English licensure satisfy this requirement through English major coursework

PROFESSIONAL SEQUENCE COURSES MIDDLE AND SECONDARY SPECIALIST:

EDUC 0220 Schools in American Culture (3)
EDUC 0221 Students with Special Needs (3)
EDUC 0321 The Middle School and Its Students** (3)
EDUC 0352 Educational Planning and Evaluation: Middle Schools **or**
EDUC 0353 Educational Planning and Evaluation: Secondary Schools **or**
EDUC 0354 Educational Planning and Evaluation: Middle and Secondary Schools (3)
PSYC 0203 Adolescent Psychology (3)
(prerequisite Psychology 0101)
Appropriate Academic Methods course (3)
EDUC 0364 Practicum Middle School **or**
EDUC 0369 Practicum Secondary School (6)

** Note: Required for Middle School Specialist licensure only

Secondary Education also offers a **Community Service Placement.** This six-credit course provides field work for students who wish to augment their teacher preparation sequence with additional clinical experience.

OCCUPATIONAL EDUCATION

In cooperation with the Division of Occupational Education of the State Department of Education, Westfield State College offers a degree program for vocational teachers. This is a Bachelor of Science in Education (Vocational) for teachers of trades. The students in this program are later employed either in their trade area, or in a vocational technical school, or in a comprehensive high school. Since the students in this program are employed during the day, the program is offered on a part-time basis in the evening. In the Commonwealth of Massachusetts a degree is not a requirement for teaching a trade in a vocational school.

PROGRAM REQUIREMENTS: OCCUPATIONAL EDUCATION

EDUC 0211 Teaching Methods: Instructional Strategies in Vocational Technical Education** (3)
EDUC 0213 Teaching Methods: Educating the Vocational Education Learner* (3)
EDUC 0212 Management of the Vocational Technical Environment** (3)
EDUC 0379 Brain Compatibility: Teaching and Learning* (3)
EDUC 0344 Competency Based Curriculum Development** (3)
EDUC 0301 Implementing a Competency Based Curriculum* (3)
EDUC 0390 Vocational Education for Students with Special Needs* (3)
EDUC 0214 Supervised Practicum** (3)
EDUC 0210 Fundamentals of Vocational Education (3)
EDUC 0396 Recent Developments in Computers in Education (3)
EDUC 0343 Appraisal and Evaluation Techniques in Occupational Education (3)
EDUC 0302 Integrating Vocational and Academic Curriculum* (3)

* See description in Graduate Catalogue for corresponding course; undergraduate course to be submitted for governance approval.
** Title change to be submitted for governance approval.

Students who have four years teaching experience in a state-aided day vocational school and a minimum of eighty credits toward the degree may apply for Trade Experience and Professional Improvement (i.e. workshops, conferences, institutes, etc.) credit as part of the elective core.

COURSES

EDUC 0102 INTRODUCTION TO TEACHING (1) Assignment to various educational settings provides prospective teachers with an opportunity to observe individuals, small groups, and whole classes. Students visit with cooperating practitioners for at least 15 contact hours. As a result, students gain understanding about their personal and career goals relative to the teaching field.

EDUC 0105 IMPROVEMENT OF READING I (3) The course is expressly designed to provide a customized approach to help the student to improve in his/her reading skills. Major areas include the improvement of the student's comprehension, the development of the student's study skills habits and techniques. Scheduling for this course will be highly individualized and flexible, with classes arranged to best suit the student's needs.

EDUC 0106 IMPROVEMENT OF READING II (3) Sequel to EDUC 0105. Some students may take a second semester of the above.

EDUC 0141 EDUCATIONAL PSYCHOLOGY APPLIED TO OCCUPATIONAL EDUCATION (3) Organized around major discussion topics with particular reference to their application in the vocational schools. Among the topics considered are: motivation, readiness, climate for learning, level of aspiration, and the various types of learning.

EDUC 0201 LEARNING AND ASSESSEMENT (3) An introduction to the basic principles and practices of effective assessment for classroom teachers. The course addresses what teachers need to do to assess learning before, during, and after instruction with special emphasis given to the importance of personal judgment and educational accountability. Topics include selecting appropriate modes of assessment, assessment and issues of diversity, technology and assessment, standardized testing, assessment and programmatic change.

EDUC 0207 PHILOSOPHY OF EDUCATION (3) An introduction to educational philosophy through consideration of historically recurrent perspectives such as idealism, realism, essentialism, romanticism, instrumentalism, existentialism, and positivism as they relate to contemporary issues in educational policy and practice. Special emphasis will be given to fundamental approaches to the critical analysis of original sources.

EDUC 0210 FUNDAMENTALS OF VOCATIONAL EDUCATION (3) Organized in a competency based approach to provide a practical foundation for designing, organizing, and supervising classroom and shop learning activities. Includes videotaped review of microteaching lessons, strategies for evaluating and controlling student performance, procedures for utilizing effective advisory committees and a thorough review of the ten approval factors which govern vocational-technical programs. Also covers theories and techniques of various instructional methodologies.

EDUC 0211 TEACHING METHODS IN VOCATIONAL EDUCATION (6) Covers theories, techniques of instruction, use of audio visual equipment, preparing lesson plans for class or unit, and evaluation of student learning.

EDUC 0212 MANAGEMENT OF THE VOCATIONAL EDUCATION ENVIRONMENT (3) Shop, academic, related classroom and cooperative placement sites; safety, priority population, developmental psychology with focus on adolescent psychology, learning styles, and disciplines.

EDUC 0214 SUPERVISED INTERNSHIP: VOCATIONAL EDUCATION (3) Supervised by a master teacher and monitored by a college instructor. Demonstration of the application of pedagogical skill. Prerequisite: Completion of the four pre-internship vocational instructor approved courses.

EDUC 0220 SCHOOLS IN AMERICAN CULTURE (3) This course is designed to stimulate creative and critical thinking about the nature and value of education. Participants will be introduced to the role of the teachers, learners, and schools in society. The role of schools in maintaining and perpetuating culture will be considered as well as issues and controversies confronting American education. Students will also be familiarized with important global educational issues and developments.

EDUC 0221 STUDENTS WITH SPECIAL NEEDS (3) Content and experiences will focus on both inter- and intra-individual differences as well as group variables to be considered in teaching such as ethnic background, race, gender and developmental differences. Historical and current approaches to the education of those with handicapping conditions will be examined, as well as issues such as identification, placement, and evaluation. Special attention will be given to the prospective value of Individualized Educational Programs and education in inclusive settings. (Field Experience Required). **EDUC 0170/0570, Education of the Exceptional Child, is offered in the evening division and is a course substitute. Students should not take both courses.**

EDUC 0240 OCCUPATIONAL AND TRAINING INFORMATION (3) The study of the history of occupations, work classification, job families and job descriptions, current occupational information and the Dictionary of Occupational Titles.

EDUC 0303 EARLY LITERACY AND READING (3) Provides the prospective teacher with an introduction to early literacy and reading program development. The course emphasizes skills related to emergent literacy, word recognition, comprehension, critical and oral reading, continuous evaluation of developmental reading skills, diagnostic teaching, and individualized instruction of reading in early childhood and elementary education. Corequisite: EDUC 0319.

EDUC 0304 READING AND CREATIVE WRITING FOR THE CLASSROOM TEACHER (3) Designed both to aid the teacher in his/her awareness of creative expression and to provide a better understanding of basic objectives, techniques and means of fostering creativity within the actual classroom. A wide variety of creative writing experiences will be explored, identified, and applied. Creating classroom climate conducive to creativity and establishing learning centers will also be major goals of this course.

EDUC 0305 LITERATURE AND THE LANGUAGE ARTS (3) Provides the prospective teacher with an introduction to literature/language arts programs. Emphasis is on the communication skills of listening, speaking, reading, and writing. The relationship of children's literature in the total language arts program in early childhood and elementary education is presented. Corequisite: EDUC 0319.

EDUC 0306 ELEMENTARY CURRICULUM AND INSTRUCTION (3) Elementary Curriculum and Instruction Students will be introduced to the major concepts of the elementary school social studies, science, mathematics, the arts, physical education/health, and drug and substance abuse curricula. The relationship among the elementary disciplines will be demonstrated in the development of a unit of work and learning center activities. The application of the curricular concepts and unitary procedure will be demonstrated in a required 30 hour field experience. Prerequisite: EDUC 0319.

EDUC 0308 EARLY CHILDHOOD CURRICULUM (3) Curriculum and principles of early childhood education for children with and without special needs are identified for students through lectures supported by observations and demonstrations. Curricular adaptations and relationships among the disciplines taught in early childhood are presented. A thirty hour (minimum) field placement is required. Prerequisites: EDUC 0220, EDUC 0221, and PSYC 0101.

EDUC 0309 CHILDREN'S LITERATURE (3) This course is designed to provide teachers with a background of the major objectives and purposes for children's literature in today's classroom. Major emphasis will be given to a review of various types of children's literature, ways to share literature effectively with children, the use of media to encourage more reading, and to the establishment of library centers within the classroom setting. Areas of specialization such as award-winning books, key illustrators, poetry, and traditional literature will also be included.

EDUC 0310 SEMINAR: TEACHING DESIGNS IN EARLY CHILDHOOD (3) The seminar is designed to examine considerations in structuring learning experiences and environments for young children. Included will be research studies of Piaget, Skinner, and Maslow and their influence on the teaching designs of curriculum to meet the needs of young children, including those at risk. Specific attention will be given to reviewing and studying early childhood demonstration programs that have been designed to meet the needs of the 9 mos-3 year old, as well as 4-7 year old children with a variety of handicapping conditions.

EDUC 0311 SOCIAL STUDIES IN THE ELEMENTARY SCHOOL (3) Requires students to examine actively the basic principles underlying Social Studies. It requires that students become aware of unifying concepts and generalizations related to the realities of how people live and interact. Examination of traditional and current Social Studies projects is a matter of concern. Concurrently, production of materials and use of procedures promoting apt combinations of cognitive affective and psychomotor behaviors are expected.

EDUC 0314 CLASSROOM MANAGEMENT (3) An introduction to solving classroom management problems through an analysis of interactional factors influencing student behavior. Specifically, the course examines classroom teaching practices that prevent behavior problems as well as methods for enhancing student social skills. Additionally, the course introduces procedures and practices that enable students to take responsibility for their behavior. The "Discipline Pyramid" serves as a model for integrating community, prevention, correction and conflict resolution into a comprehensive classroom management system. Cognitive-behavioral approaches are integrated with applied behavioral analysis, developmental theory, and psychoeducational strategies.

EDUC 0317 ANALYSIS AND CORRECTION OF READING DISABILITIES (3) Designed to acquaint students with the procedures, techniques, and materials used in diagnosing, prescribing, and remediating individual reading disabilities. Instruction in theoretical background is applied to actual cases with disabled readers. Prerequisite: EDUC 0303 or permission of instructor.

EDUC 0318 READING IN THE CONTENT AREAS (3) Approaches reading as a tool in the content areas of the curricula. All of the major subject matter areas will be explored. The general reading abilities involved in these areas as well as the specialized reading needs will be examined. The objectives, techniques, procedures, and material will be identified and utilized. Designed for teachers in the intermediate and secondary levels.

EDUC 0319 PRINCIPLES OF TEACHING AND LEARNING (3) Introduces students to planning procedures and methods leading to the creation of successful and appropriate learning with particular emphasis on creating developmentally appropriate lesson plans that are consistent with professional standards and state curriculum frameworks for early childhood and elementary educators. The course responds to four fundamental questions: How do children learn? What are we going to teach and why? How are we going to teach and why? How will we know that learning has occurred? The course specifically treats modes of teaching, classroom interaction strategies, approaches to grouping, teaching diverse student populations, using instructional technology, and learning fundamental approaches to classroom assessment. Students will apply course acquired knowledge, skills, and dispositions in a required thirty hour field experience. Prerequisite: EDUC 0220, EDUC 0221, and PSYC 0202

EDUC 0321 THE MIDDLE SCHOOL AND ITS STUDENTS (3) Research has indicated that middle school students have unique needs because of the rapid changes that occur during this age. This course is designed to help you understand the cognitive, physical, emotional, social and moral development of the early adolescent both with and without special needs. Understanding growth and development is the first step to designing a school that meets young adolescent needs. These needs must be translated into appropriate school practices in order for the middle school concept, interdisciplinary planning, team teaching, the integrated and integrative curriculum, cooperative learning, advisory groups, the exploratory curriculum, peer mediation and appropriate instructional and classroom management strategies for the middle school student.

EDUC 0323 FIELD EXPERIENCE I (1) This is a pre-practicum to be taken concurrently with Principles of Teaching I. Students will apply the learnings and principles in a field setting. Students will use these opportunities to establish their competencies required for certification. Prerequisite: Junior status or permission of instructor.

EDUC 0326 LISTENING AS AN ASPECT OF READING (3) The purpose of this course is to acquaint the teacher with listening as a vital area of the total language arts program. Listening as one of the major tools in learning and communication is explored. The course concerns itself with the nature of listening, listening in the total curriculum, and creating an environment for effective listening development. The course will also provide opportunity to develop resource materials such as tapes and games which would be applicable to practical teaching situations.

EDUC 0331 CREATIVE DRAMATICS IN A READING INSTRUCTIONAL PROGRAM (3) Deals with activities related to creative dramatics which can be integrated into literature and reading programs. Competence in using drama and in actual performance through assignments and projects that focus on creative dramatics, improvisations, role-playing, poetry, choral verse, and the adaptation of basal reader stories into play form.

EDUC 0333 READING PRACTICUM (6) A minimum of 150 clock hours of supervised student teaching experience in literacy instruction. Guidelines for evaluation are identified in the Practicum Portfolio for the Teacher of Reading.

EDUC 0334 WORD ANALYSIS SKILLS IN READING (3) Prospective reading teachers will acquire the skills of phonetic and structural analysis of words in order to teach independent word attack skills in reading. Designed to give each student experience in reading requirements and skills in teaching reading.

EDUC 0335 INDIVIDUALIZED INSTRUCTION IN READING (3) Students study and develop techniques for implementing an individualized program in reading for the elementary grades. Included are methods of diagnosing and assessing levels of competency of children, procedures for working in an individualized program and methods of evaluating progress and keeping records. This course examines the values of various approaches to individualized instruction such as programming, performance contracting and media oriented learning centers. Prerequisite: EDUC 0303 or permission of instructor.

EDUC 0336 PRACTICUM I: EARLY CHILDHOOD Pre K-2 (6) A minimum of 150 clock hours of supervised student teaching experience in grades Pre K-2. Guidelines for evaluation are identified in the Westfield State College Student Teaching Handbook.

EDUC 0337 PRACTICUM II: EARLY CHILDHOOD Pre K-2 (6) A minimum of 150 clock hours of supervised student teaching experience in grades Pre K-2. Guidelines for evaluation are identified in the Westfield State College Student Teaching Handbook.

EDUC 0338 PRACTICUM: ELEMENTARY (1-6) (6-12) A minimum of 150 clock hours of supervised student teaching experience in grades 1-6. Guidelines for evaluation are identified in the Westfield State College Student Teaching Handbook.

EDUC 0342 SUPERVISION OF VOCATIONAL SCHOOLS (3) Discussion of various aspects of the vocational school program including co-curricular activities, scheduling, fiscal procedures, legal responsibilities, public relations, systematic environment, and other areas of relationships and interaction. Emphasis will be placed upon the interdependence of the component parts of modern vocational schools. On-site visits to selected occupational schools, research projects (group and individual), and evening discussion panels with members representing various parts of a school system will be part of the course requirements.

EDUC 0343 APPRAISAL AND EVALUATION TECHNIQUES IN OCCUPATIONAL EDUCATION (3) Appraisal of the development and significance of educational measurements as they relate to the vocational school student. Emphasis on uses and limitations of standardized tests; construction, validation and limitations of classroom tests; analysis, interpretation, and utilization of test results.

EDUC 0344 COMPENTENCY BASED CURRICULUM DEVELOPMENT (3) Concepts relating to career education will be defined. Development activities relating to career education will be explored in order to enable students to implement curriculum through various areas of concentration. Through an integrated curriculum, learning activities which involve the occupational world and its facilities will be identified.

EDUC 0345 LABOR LAWS RELATING TO OCCUPATIONAL EDUCATION (3) Designed to augment the participant's understanding of the legal environment affecting students. Emphasis will be on laws affecting all teachers as well as on particular aspects of law (Torts, Negligence, National Apprenticeship Rules, Chapter 707, State Legislation, etc.) that relate especially to the participants.

EDUC 0347 PRINCIPLES AND PRACTICES OF OCCUPATIONAL GUIDANCE (3) The vocational guidance process in both the elementary and secondary public schools will be studied. Approaches include counseling, group guidance and class instruction, the use of standardized tests and interest inventories, and cooperation with families, employers and other agencies. Phrased especially for Vocational Education Students.

EDUC 0349 INTERPERSONAL RELATIONS AND CONFERENCE LEADERSHIP (3) An examination and analysis of interpersonal and group relations. An appraisal of the processes which produce greater self-awareness, heightened sensitivity to others, and improved human relations in classroom practice. Emphasis is placed upon learning to deal with individuals and groups with greater understanding and skill.

EDUC 0352 EDUCATIONAL PLANNING AND EVALUATION: MIDDLE SCHOOLS (3) Provides preparation for direct school experience at the middle level. Lesson plans, unit structures, methods and techniques of teaching, classroom management, test construction, interpretation and usage, the standards for provisional certification, form the basis of this course. Thirty hours (30) of field experience is required. Prerequisites: EDUC 0220 and EDUC 0221.

EDUC 0353 EDUCATIONAL PLANNING AND EVALUATION: SECONDARY SCHOOLS (3) Provides preparation for direct school experience at the secondary level. Lesson plans, unit structures, methods and techniques of teaching, classroom management, test construction, interpretation and usage, the standards for provisional certification, form the basis for this course. Thirty hours of field experience is required. Prerequisites: EDUC 0220 and EDUC 0221.

EDUC 0354 EDUCATIONAL PLANNING AND EVALUATION: MIDDLE AND SECONDARY SCHOOLS (3) Provides preparation for direct school experience at the secondary level. Lesson plans, unit structures, methods and techniques of teaching, classroom management, test construction, interpretation and usage, the standards for provisional certification, form the basis for this course. Thirty hours of field experience is required. Prerequisites: EDUC 0220 and EDUC 0221.

EDUC 0355 PRACTICUM IN COMMUNICATION AND PERFORMING ARTS (12) A minimum of three hundred clock hours of supervised student teaching in two different settings under the joint supervision of an experienced cooperating practitioner and college supervisors from the English and Education Departments.

EDUC 0359 CURRICULUM AND INSTRUCTION: MIDDLE SCHOOL GENERALIST (3) A developmental approach to the conceptual structure of modern middle school curriculum design and implementation. Curriculum organization and the forces affecting it will be considered. Students will be introduced to the major concepts of middle school curricula in social studies, science, mathematics, art and music, physical education/health, and drug and substance abuse. The relationship among the middle school disciplines will be demonstrated in a 30 hour required field experience at the middle school level. Prerequisites: EDUC 0220, EDUC 0221, EDUC 0321 and PSYC 0203

EDUC 0360 COMMUNITY SERVICE PLACEMENT (3 or 6) Involves eight or sixteen weeks of field work experience in selected area agencies. The work is related to the occupational interests of the student but does not lead toward teacher certification. Placement provides an opportunity for the student to apply, test, evaluate and integrate in a responsible professional activity the knowledge, attitudes and skills learned in the classroom.

EDUC 0364 PRACTICUM: MIDDLE SCHOOL (6) A minimum of one hundred fifty (150) clock hours of supervised student teaching in a selected middle school under the joint supervision of an experienced cooperating practitioner and college supervisor. Prerequisite: Permission.

EDUC 0366 PRACTICUM: MIDDLE AND SECONDARY SCHOOL (6) A minimum of one hundred fifty clock hours of supervised student teaching in a selected middle school under the joint supervision of an experienced cooperating practitioner and college supervisor. Prerequisite: Permission.

EDUC 0367 IDENTIFICATION, ASSESSMENT, PLACEMENT, AND PROGRAMMING IN SPECIAL EDUCATION (Intensive) (3) Curriculum resources, methods and materials for children with severe special needs are developed on the basis of on-going diagnosis. Thirty hours of field experience are required.

EDUC 0369 PRACTICUM: SECONDARY SCHOOL (6) A minimum of one hundred fifty clock hours of supervised student teaching in a selected secondary school under the joint supervision of an experienced cooperating practitioner and college supervisor. Prerequisite: Permission.

EDUC 0370 SPEECH AND LANGUAGE PROBLEMS OF THE SPECIAL NEEDS CHILD (3) Normal speech and language expectancies, problems of the special needs child in language acquisition, speech and hearing mechanisms. Speech and language pathologies, their incidence and etiology, Regulations of "766" and "94-142" regarding speech and language habilitation of difficulties.

EDUC 0371 IDENTIFICATION, ASSESSMENT, PLANNING AND PROGRAMMING (Special Needs Teacher) (3) Curriculum resources, methods and materials for children with moderate special needs are developed on the basis of on-going diagnosis. Thirty hours of field experience are required.

EDUC 0373 CLINICAL EXPERIENCE (Moderate) (3) Advanced students are offered guided practicum experiences in selected schools for application of the theoretical foundations of the diagnostic-prescription approach to teaching pupils with moderate special needs. Each student is required to prepare an I.E.P. for a special needs pupil.

EDUC 0375 COMPREHENSIVE SERVICES IN SPECIAL EDUCATION (3) Home, school and community influences are analyzed in family adjustment to the presence of a handicapped child. Family reactions are considered in behavioral differences among children with various degrees of disability. Emphasis is given to guidance skills and knowledge needed by teachers and other professional workers in the field of Special Education.

EDUC 0376 DEVELOPMENTAL DISABILITIES (3) A developmental disability is a delay or failure to progress through the normal developmental milestones of childhood. The purpose of this course is to explore educational, social and legal issues that affect the opportunities of developmentally disabled individuals. Educational assessment and programming will focus on the developmental domains of motor, psycho-social, communication, cognitive functioning. A continuum of educational and community options will be described in order to acquaint the student with the least restrictive options needed to promote the growth of the developmentally disabled.

EDUC 0377 LEARNING DISABILITIES (3) Introduction to the history and current practices in the diagnosis and remediation of learning disabilities, major theories of etiology, commonly used assessment instruments, and remedial materials and methods. Research findings, issues and controversies in the field will be discussed.

EDUC 0378 CLASSROOM MANAGEMENT: STUDENTS WITH BEHAVIORAL/EMOTIONAL PROBLEMS (3) Psycho-educational assessment, identification, choice of intervention and management of children with special needs; behavioral difficulties, are main areas of study. The home, school, and community are considered in relation to the child's mental health. Thirty hours of field experience are required. Prerequisites: EDUC 0220, EDUC 0221, and either EDUC 0352, EDUC 0353, or EDUC 0354.

EDUC 0380 MULTICULTURAL EDUCATION (3) Multicultural education addresses the issue of providing students with equitable education. This course examines major theories, approaches, and concepts within multicultural education and their application. Institutional and societal structures, such as tracking and funding, are studied for their effect on student achievement. Students reflect on individual and group factors, such as race/ethnicity, gender, socioeconomic class, and sexual orientation that influence educational settings and the delivery of education. In addition, students gain a greater understanding of the history, culture and values of diverse groups.

EDUC 0381 EARLY INTERVENTION FOR YOUNG CHILDREN WITH SPECIAL NEEDS (3) The purpose of this course is to help students to gain an awareness of how early identification of handicapping or potentially handicapping conditions, along with appropriate remediation measures, can be the most beneficial way to help children to develop. The course will be divided into four main areas of study: rationale for early intervention and related legislation; research; casefind, screening and diagnosis; and intervention strategies and programs. Although the amount of the time spent in each area of study may vary, each area is of great importance in developing an understanding of the field. Fifteen hours of field experience are required.

EDUC 0384 INTEGRATING VOCATIONAL AND ACADEMIC CURRICULUM (3) The topic of integrating academic and vocational technical curricula will be examined by reviewing the history of academic vocational integration, standard practices, cognitive science related to integration of subjects and related issues. Actual and hypothetical integrated models will be studied. Students will develop an integrated education plan for a course, a program or a school.

EDUC 0385 HOME/SCHOOL COLLABORATION AND COMMUNITY INCLUSION (3) Focuses upon the procedures and programs needed for providing an easier transition along the continuum (from institutions to independence) for handicapped individuals. Various options for living, working and schooling are discussed. This course stresses the development and management of resources that aid in "communitization". Fifteen hours of field experience are required.

EDUC 0386 ACCOMMODATIONS AND SUPPORTS MEDICAL/SOCIAL/COMMUNICATION (3) This course is a systematic study of neurophysiological deviations that cause severe disabilities. Emphasis is also placed on method and techniques for increasing motivation and improving performance. Students will develop an understanding of concepts and procedures necessary to write cooperatively with medical professionals, physical therapists, occupation therapists, communication specialists and parents. Fifteen hours of field experience are required.

EDUC 0387 CLINICAL EXPERIENCE IN SPECIAL EDUCATION (Intensive) (3) Advanced students are offered guided practicum experiences in selected clinics or agencies and residential institutions, for application of the theoretical foundations of the diagnostic-prescription approach to teaching pupils with severe special needs. Each student is required to prepare an I.E.P. for a severe special needs individual.

EDUC 0389 PRACTICUM: INTENSIVE SPECIAL NEEDS (6-12) A minimum of 300 clock hours (12 credits) of supervised student teaching experience in an approved setting for students in severe special needs.

EDUC 0396 SEMINAR RECENT DEVELOPMENTS: COMPUTERS IN EDUCATION (3) This course requires no previous experience with computers and will be comprised of three major components: (a) an introduction to software tools for teachers, (b) exposure to and analysis of commercially available educational software and hardware, (c) an analysis of both practical and theoretical issues related to the use of microcomputers in education.

EDUC 0397 PRACTICUM: SPECIAL NEEDS TEACHER (6) A minimum of 150 clock hours of supervised. student teaching experiences with students having moderate special needs.

EDUC 0399 INDEPENDENT STUDY (3-9) Education majors are allowed to receive up to a maximum of nine academic credits, at the rate of three credits per semester, for engaging in independent study. Each study is taken as a part of a student's regular course load only. The student engaged in independent study will select and develop topics in the field of Education and related fields in cooperation with a professor from the Education Department, and the approval of the chair.

ENGLISH

English majors may choose from three distinct concentrations, each leading to a Bachelor of Arts degree: Literature, Theatre, and Writing. Students may earn provisional teaching certificates under two of these concentrations, Literature/Secondary Education and Theatre Arts/Education. Non-majors may also include in their programs one or more of the department's three minors: Literature, Theatre, and Writing. Department courses afford opportunities for developing the crucial skills of analysis, synthesis, comprehensive and critical reading, extended and incisive writing, and clear thinking. In addition, English study provides, through rigorous analysis of major literary works, a unique experience in recognizing, evaluating, and articulating human values, motives, and qualities. Offerings in Theatre and Writing encourage students to develop their talents in theatrical performance and creative writing.

Westfield State College offers students of English a fully equipped professional theater, access to the campus television and radio station, a weekly college newspaper, the latest computer equipment, and a literary magazine publishing outstanding student writing. A popular and successful feature in the department is its internship program whereby students gain valuable on-the-job experience with television and radio stations, newspapers, a professional theater, business organizations and social services agencies.

Recent graduates majoring in English have accepted positions as teachers, reporters and editors, television staff members, theater directors, and corporate public relations officers. Some graduates have entered management training programs; others have gone on to graduate or professional schools.

FOR ALL ENGLISH MAJORS

1. A minimum of 39 credits is required within the English major.
2. Completion of at least two college semesters of one foreign language is required, unless during high school the student has (a) completed three years of study of one foreign language, or (b) completed two years of study in each of two foreign languages. A student may also satisfy the foreign language requirement by passing a proficiency examination designed nationally and administered locally.
3. Students who transfer into the English Major from other institutions must complete 21 hours in English at Westfield State College.

Students under the new core may satisfy 3 (students in the Theatre Arts/Education program may satisfy all 6) of the required 6 credits in the literary and philosophical analysis area of the core with any of the following courses:

ENGL 0210 British Literature to 1603
ENGL 0211 British Literature 1603-1780
ENGL 0212 British Literature Since 1780
ENGL 0216 Nineteenth Century American Literature
ENGL 0217 Modern American Literature
ENGL 0221 World Literature to 1750
ENGL 0222 World Literature Since 1750

Students seeking Middle or Secondary certification in English may use one of the above courses and must take ENGL 0221 World Literature to 1750 to satisfy their core requirements.

Theatre Arts/Education students only may also choose:
ENGL 0213 Major British Writers
ENGL 0215 Major American Writers

Students may satisfy all 6 of the required Diversity area credits by choosing one course from each of the groups below:

United States Diversity:
ENGL 0226 Ethnic Literature of the United States
ENGL 0324 Black American Literature

Global Diversity:
ENGL 0221 World Literature to 1750
ENGL 0222 World Literature Since 1750
ENGL 0224 World Ethnic Literature
ENGL 0326 Women Writers

REQUIREMENTS FOR LITERATURE CONCENTRATION

The following courses are required of English majors, if they concentrate in Literature:

ENGL 0210, British Literature to 1603	(3)
ENGL 0211, British Literature, 1603-1780 or ENGL 0212, British Literature Since 1780	(3)
ENGL 0216, 19th-Century American Literature	(3)
ENGL 0217, Modern American Literature	(3)
ENGL 0317, Shakespeare: Tragedies and Histories	(3)
One course in a major figure or period	(3)
ENGL 0348, History of the English Language or ENGL 0349, Structure of Modern English	(3)
ENGL 0300, Development of the Novel	(3)
A 0200 or 0300-level writing course	(3)

The remaining 12 hours of electives (9 hours for students in Middle or Secondary certification programs) are chosen from 0300-level literature or writing courses. ENGL 0211, British Literature, 1603-1780, or ENGL 0212, British Literature Since 1780, if not taken as a requirement, is the only 200-level course that may be used as an elective toward the major.

REQUIREMENTS FOR TEACHING ENGLISH IN MIDDLE AND SECONDARY SCHOOLS

Students wishing to be certified to teach English at the Middle or High School levels must complete the following:

Coursework in the Major:

All courses in the literature concentration
ENGL 0106 Principles of Grammar (2-3)
ENGL 0338 Literature and the Adolescent (3)
ENGL 0383 Teaching of Writing (3)

Professional Sequence, Middle and Secondary Specialist:

ENGL 0350 (ENGL 0351,0352) Methods of Teaching English in the Middle (Secondary, Middle/Secondary) School (3)
EDUC 0220 Schools in American Culture (3)
EDUC 0221 Students With Special Needs (3)
PSYC 0203 Adolescent Psychology (3)
EDUC 0352 (EDUC 0353, 0354) Educational Planning and Evaluation for Middle (Secondary, Middle/Secondary) School (3)
EDUC 0364 (EDUC 0369, 0366) Middle (Secondary, Middle/Secondary) Practicum (6)

Students who wish certification for Middle School must also take:

EDUC 0321 The Middle School and Its Students (3)

Core:

PSYC 0101 Intro to Psychology (Prerequisite for PSYC 0203 Adolescent Psychology) (3)
ENGL 0221 World Literature to 1750 (3)

To be recommended for ENGL 0350, ENGL 0351, or ENGL 0352, Methods of Teaching English, and the teaching practicum, students must have a 2.7 cumulative average in courses counting toward the Literature Concentration, 24 completed credits in Literature, and permission of the Program Director or Chair.

NOTE: A MINIMUM OVERALL CUM OF 2.8 IS REQUIRED FOR A PRACTICUM PLACEMENT.

REQUIREMENTS FOR THEATRE CONCENTRATION AND THEATRE ARTS/EDUCATION

All English majors concentrating in Theatre (except those in Theatre Education) must complete the Theatre Major Core Requirements as well as the requirements for ONE of the concentration tracks.

THEATRE MAJOR CORE REQUIREMENTS

ENGL 0151 Introduction to Performance (3)
ENGL 0152 Scenography (3)
ENGL 0369 Hist of Theatre Arts I: Early Stages (3)
ENGL 0353 Theatre Workshop (6)
One of the following: (3)
ENGL 0260 Script Analysis and Interpretation
ENGL 0365 Dramatic Criticism
One of the following : (3)
ENGL 0378 Hist of Theatre Arts II: Renaissance to Romanticism
ENGL 0379 Hist of Theatre Arts III: The Modern Stage
One of the following: (3)
ENGL 0317 Shakespeare: Tragedies and Histories
ENGL 0318 Shakespeare: Comedies and Romances
One of the following: (3)
ENGL 0321 Irish Theatre
ENGL 0364 American Drama
ENGL 0366 Dramatic Literature
ENGL 0370 Modern Drama

THEATRE CONCENTRATIONS: Students must complete ONE

PERFORMANCE TRACK – Select 5 (15)
ENGL 0121 Acting Styles: Techniques, Theory and Practice
ENGL 0252 Acting I
ENGL 0357 Acting II
ENGL 0255 Directing I
ENGL 0368 Directing II
ENGL 0371 Playwriting

DESIGN/TECHNOLOGY TRACK (15)
ENGL 0251 Theatre Management
ENGL 0354 Costume Design
ENGL 0356 Stagecraft Techniques
ENGL 0389 Scene Design
ENGL 0390 Lighting and Sound Design

THEATRE GENERALIST TRACK (15)
Students must consult with a Theatre Arts Program advisor in choosing their courses, in order to insure sufficient breadth and balance within the concentration. Courses may be selected from the Performance and Design/Technology tracks, as well as any of the courses in the Theatre Major Core Requirements list that are not being used to fulfill the requirements of that area.

THEATRE EDUCATION TRACK (39)

Complete all of the following:

ENGL 0250 Oral Interpretation
ENGL 0251 Theatre Management
ENGL 0252 Acting I
ENGL 0255 Directing I
ENGL 0317 Shakespeare: Tragedies and Histories **or**
ENGL 0321 Irish Theatre
ENGL 0353 Theatre Workshop
ENGL 0356 Stagecraft Techniques
ENGL 0364 American Drama
ENGL 0365 Dramatic Criticism **or**
ENGL 0260 Script Analysis and Interpretation
ENGL 0366 Dramatic Literature
ENGL 0369 Hist of Theatre Arts I: Early Stages
ENGL 0371 Playwriting

Required Professional Sequence:

EDUC 0220 Schools in American Culture (3)
EDUC 0221 Students with Special Needs (3)
PSYC 0203 Adolescent Psychology (3)
EDUC 0354 Educational Planning and Evaluation: Middle and Secondary Schools (3)
ENGL 0363 Methods of Teaching Theatre Arts (3)
EDUC 0355 Practicum in Communication and Performing Arts (6)

Required Core Courses:

PSYC 0101 Intro to Psychology (Prerequisite for PSYC 0203 Adolescent Psychology) (3)
EDUC 0380 Multicultural Education (3)

Although not required, it is nonetheless strongly recommended that Theatre Education students also take:

ENGL 0104 Introduction to Theatre
ENGL 0121 Acting Styles: Techniques, Theory and Practice

APPROVED THEATRE ELECTIVE COURSES

Students in the Performance or Design/Technology tracks may petition to substitute courses from the list of electives below for required Theatre Core Courses. Approval will be granted by the student's advisor and the department chair, provided such substitutions satisfy depth, breadth, and specificity of study required by the Theatre Arts Program.

ENGL 0103 Speech
ENGL 0120 Performance Studies *
ENGL 0250 Oral Interpretation
ENGL 0355 Theatre Applications *
ENGL 0358 Acting Seminar *
ENGL 0362 Research Seminar in Theatre
ENGL 0367 Film Theory and Criticism
ENGL 0371 Playwriting
ENGL 0374 Writing for Film
ENGL 0380 Practicum in English
ENGL 0381 Television Drama
ENGL 0391 Special Studies in Film
ENGL 0393 History and Development of Motion Pictures
ENGL 0399 Independent Study
ART 0103 Drawing I
ART 0104 Design Fundamentals
ART 0106 Art Survey I
ART 0107 Art Survey II
MCOM 0101 Introduction to Communication
MCOM 0332 Writing for Television
MUSC 0101 Music Appreciation
MUSC 0160 History of Jazz
MUSC 0200 Music History I
MUSC 0201 Music History II

* May be taken twice for credit

REQUIREMENTS FOR WRITING CONCENTRATION

Students completing the Writing Concentration take six courses or 18 academic credits in the Literature area as defined below and seven courses or 21 credits in the Writing area for a total of 39 credits.

LITERATURE (18 credits)

ENGL 0210 British Literature to 1603 (3)
ENGL 0211 British Literature 1603-1780 or (3)
ENGL 0212 British Literature Since 1780 (3)
ENGL 0216 19th-century American Literature (3)
ENGL 0217 Modern American Literature (3)

Any two of the following genre courses:

Poetry:
ENGL 0376 Modern British/American Poetry (3)
ENGL 0382 Contemporary Poetry (3)

Fiction:
ENGL 0300 Development of the Novel (3)
ENGL 0311 British Novel (3)
ENGL 0323 American Novel (3)

Prose:
ENGL 0372 History of Prose (3)
ENGL 0373 Literary Journalists (3)

Drama:
ENGL 0317 Shakespeare: Tragedies and Histories (3)
ENGL 0318 Shakespeare: Comedies and Romances (3)
ENGL 0364 American Drama (3)
ENGL 0366 Dramatic Literature (3)
ENGL 0370 Modern Drama (3)
ENGL 0387 World Drama (3)

Film:
ENGL 0381 Television Drama (3)
ENGL 0391 Special Studies in Film (3)
ENGL 0393 History/Development of the Motion Picture (3)

WRITING: One course from each of the four groups is required with three other courses selected from any of the groups (21)

Fiction and Poetry:
- ENGL 0246 Creative Writing (3)
- ENGL 0345 Writing Fiction (3)
- ENGL 0346 Writing Poetry (3)

Non-fiction Prose:
- ENGL 0275 Journalism I (3)
- ENGL 0375 Journalism II (3)
- ENGL 0377 Feature Writing (3)
- ENGL 0388 Special Topics in Writing (3)
- ENGL 0392 Business/Technical Writing (3)
- ENGL 0394 News Editing (3)

Drama and Film:
- ENGL 0371 Playwriting (3)
- ENGL 0374 Writing for Film (3)
- MCOM 0332 Writing for Television (3)

Criticism:
- ENGL 0276 Writing About the Arts (3)
- ENGL 0330 Intro to Modern Literary Criticism (3)
- ENGL 0347 Advanced Critical Writing (3)
- ENGL 0365 Dramatic Criticism (3)

Students under the new core may satisfy 3 of the required 6 credits in the literary and philosophical analysis area of the core with one of the following courses:

ENGL 0210 British Literature to 1603
ENGL 0211 British Literature 1603-1780
ENGL 0212 British Literature Since 1780
ENGL 0216 Nineteenth Century American Literature
ENGL 0217 Modern American Literature
ENGL 0221 World Literature to 1750
ENGL 0222 World Literature Since 1750

Students may satisfy all 6 of the required Diversity area credits by choosing one course from each of the groups below:

United States Diversity:
- ENGL 0226 Ethnic Literature of the United States
- ENGL 0324 Black American Literature

Global Diversity:
- ENGL 0221 World Literature to 1750
- ENGL 0222 World Literature Since 1750
- ENGL 0224 World Ethnic Literature
- ENGL 0326 Women Writers

MINORS IN ENGLISH

Transfer students must complete 9 credits at Westfield, with 6 credits taken at the 0300 level.

REQUIREMENTS FOR THE LITERATURE MINOR

Students take 18 credits made up of the following courses:

- ENGL 0210 British Literature to 1603 (3)
- ENGL 0211 British Literature 1603-1780 or ENGL 0212, British Literature Since 1780 (3)
- ENGL 0216 19th-Century American Literature (3)
- ENGL 0217 Modern American Literature (3)
- Two of the following:
  - ENGL 0211 British Literature 1603-1780 or ENGL 0212 British Literature Since 1780 (whichever is not taken as a requirement) (3)
  - ENGL 0221 World Literature to 1750** (3)
  - ENGL 0222 World Literature Since 1750** (3)
  - ENGL 0317 Shakespeare: Tragedies and Histories (3)
- Any 0200 or 0300-level writing course (3)

**Course may not be used for both minor and core credit

REQUIREMENTS FOR THE THEATRE MINOR

ENGL 0353 Theatre Workshop (6) or its equivalent as determined by English Department faculty to be taken after any 12 credits offered under "Requirements for Theatre Concentration."

REQUIREMENTS FOR THE WRITING MINOR

Writing students take 18 credits. One course from each of the three groups below is required, plus three electives from any courses on the list.

Fiction and Poetry:
- ENGL 0246 Creative Writing (3)
- ENGL 0345 Writing Fiction (3)
- ENGL 0346 Writing Poetry (3)

Non-Fiction Prose:
- ENGL 0275 Journalism I (3)
- ENGL 0276 Writing About the Arts (3)
- ENGL 0347 Advanced Writing Techniques (3)
- ENGL 0375 Journalism II (3)
- ENGL 0377 Feature Writing (3)
- ENGL 0388 Special Topics in Writing (3)
- ENGL 0392 Business and Technical Writing (3)
- ENGL 0394 News Editing (3)

Drama and Film:
- ENGL 0371 Playwriting (3)
- ENGL 0374 Writing for Film (3)
- MCOM 0332 Writing for Television (3)

PRACTICUM

Of special interest to English majors is the Practicum in English, ENGL 0380, the counterpart to student teaching for students who intend to apply the English major in a variety of occupational settings. Through the Practicum, seniors can earn 3-12 college credits for on or off-campus work experience. Such experiences are often the beginning of lifetime vocational decisions and an added resourse to help compete in the job search.

COURSES

ENGL 0099 FUNDAMENTALS OF WRITING (no credit; meets 3 hours weekly) In this course students will study and practice the fundamentals of clear writing, with emphasis on grammatically correct sentence structure and effective paragraphs. Students take this course to prepare for the essay writing in ENGL 0101 English Composition I.

ENGL 0100 LEARNING ENGLISH AS A SECOND LANGUAGE (0) Designed to teach English language skills to students whose native language is not English. A thorough study is made of the American English sound system, sentence patterns, vocabulary, transforms, and modification. In addition, students will have an opportunity to study American culture through language habits.

ENGL 0101 ENGLISH COMPOSITION I (3) A writing-intensive course that provides instruction in the process of composing academic essays. Students strengthen techniques in three stages -- pre-writing, drafting and revising --in order to compose well-structured papers written in proficient English. This course covers the fundamentals of rhetoric, research methods, critical reading of texts, and sentence and paragraph development. Writers compose at least six essays, of which some are research-based. All students must take this course the first semester of their freshman year. STUDENTS MAY DROP THIS COURSE ONLY UNDER EXTRAORDINARY CIRCUMSTANCES AND WITH THE SPECIAL PERMISSION OF THE WRITING COORDINATOR.

ENGL 0102 ENGLISH COMPOSITION II (3) An introduction to literature covering critical reading of fiction, drama, poetry and the essay. Provides instruction in writing about literature and research techniques. A research paper will be required. SUCCESSFUL COMPLETION OF THIS COURSE IS A PREREQUISITE FOR ALL 0200 AND 0300 ENGLISH COURSES OFFERED. ENGL 0102 must be taken during the second semester of the freshman year. STUDENTS MAY DROP THIS COURSE ONLY UNDER EXTRAORDINARY CIRCUMSTANCES AND WITH THE SPECIAL PERMISSION OF THE WRITING COORDINATOR. Prerequisites: ENGL 0101.

ENGL 0103 SPEECH (3) A course that gives students an opportunity to practice the fundamental principles of oral communication. It includes experience in organizing and delivering various kinds of talks, participating in group and panel discussions, and evaluating speech habits. Voice quality, articulation and pronunciation are studied.

ENGL 0104 INTRODUCTION TO THEATRE (3) Acquaints students with the origins and nature of theatre within historical periods. Students learn the theory and practice of the theatre arts, including playwriting, acting, directing, set and lighting design, theatre architecture, costuming and makeup, technical production and theatre management. Students acquire tools with which to experience, analyze, and appreciate good theatre and the wisdom it can offer, whether as audience members or as part of theatre productions.

ENGL 0105 ENGLISH COMPOSITION I SEMINAR (HONORS) (3) Students with outstanding writing ability will analyze and employ rhetorical strategies through classroom discussion and expository writing. Permission of instructor. This course fulfills ENGL 0101 core requirement.

ENGL 0106 PRINCIPLES AND APPLICATIONS OF GRAMMAR (2-3) Designed for but not limited to, students who have completed English Composition I but who need or want better understanding of, and improvement in, grammar, usage and mechanics. Reviews standard English principles and practice in fundamental areas such as sentence types and structures, clauses, modification, case, agreement, and punctuation. Meets for 150 minutes a week for two-thirds of the semester for two academic credits. The last third of the semester is optional for students who have completed the first part of the course and who want to practice applying grammatical principles in their writing for one credit.

ENGL 0110 ENGLISH COMPOSITION II SEMINAR (HONORS) (3) For students who have been invited from ENGL 0105 or who have been recommended by their ENGL 0101 instructors. Students focus on the critical and appreciative reading of poetry, fiction, drama, and the essay, and on interpretive and analytical writing about literature. Techniques of research are discussed and practiced. This course fulfills ENGL 0102 core requirement.

ENGL 0120 PERFORMANCE STUDIES (3) Performance studies consists of a theatre ensemble performing dramatic works. It encompasses the process of script study and performance for an ensemble cast. The scripts will cover various genres, periods of theatre history, and acting styles. The format will include stage and radio productions as well as readers' and children's theatre. The ensemble will perform both on and off campus. Enrollment by audition; open to all students who qualify. May be taken twice for credit.

ENGL 0121 ACTING STYLES: TECHNIQUES, THEORY AND PRACTICE (3) Students gain a basic understanding of theatre as a performing art through a study of acting styles and periods in an historical and cultural context. Students also apply the theory and technique in a practical format. Acting Styles focuses on three major periods from a choice ranging from classical to contemporary. Approaches to teaching and learning include lecture, discussion, collaborative projects, character analysis through script study, theatre exercises and guest speakers. Students attend campus and area theatrical productions, write critical reviews, and perform scenes.

ENGL 0151 INTRODUCTION TO PERFORMANCE (3) This course is designed for students of varying disciplines and is intended to establish for students a foundation for further study and development as creative and performing artists. Students will be introduced to the requisite discipline, focus, and concentration necessary for creative and collaborative work, and will acquire increased knowledge of their own creative instrument _ their body, voice, and imagination. Students with be acquainted with a variety of basic performance techniques such as sensory work, movement, vocal production, audition and cold reading techniques, mask work, improvisation, dramatic action, stage combat, play reading and interpretation, and scene study work

ENGL 0152 SCENOGRAPHY (3) This course studies the development, continuum, and evolution of the values, methods, and theories of the practitioners of the New Stagecraft, the collaborative relationship between the director and the designer, and the basic principles of visual and aural design. The course will expose students to the significant theories and movements that have shaped the visual style of the American stage; will familiarize students with theatre's significant figures, techniques, conventions, styles, and terminology; will promote productive dialogue and collaboration among student directors, actors, designers, writers, and technicians; and will impart a greater appreciation of the performing arts.

ENGL 0200 WRITING REVIEW FOR EDUCATION MAJORS (3) Writing review for education majors is designed for teacher education students who show a need for improved skills in writing academic arguments and summaries. Aspects of writing such as structure and grammar will also be reviewed. Education program majors who do not earn a 2.8 in English Composition I and English Composition II are required to take this course.

ENGL 0201 WRITING WORKSHOP (1-3) Designed for students in all majors, the workshop will develop skills in rhetorical techniques and provide practice in specific types of expository writing appropriate to many disciplines.

ENGL 0208 GREAT BOOKS I, II, III (1-3) Designed for non-English majors, this course will focus on one great work of literature for each third of the semester (4-5 weeks), with a total of three works covered, one in each of three self-contained units. Students may sign up for one to three credits depending upon how long they intend to remain in the course. Prerequisite: ENGL 0102.

ENGL 0210 BRITISH LITERATURE TO 1603 (3) Exploration of British classics prior to the seventeenth century, including Beowulf, Chaucer and Shakespeare, in their social and historical contexts. This course emphasizes identifying the connections between literature and history, philosophy and the arts. Literary and intellectual currents of Medieval feudalism and Renaissance Humanism are closely examined. Essential for the serious student of literature, and required of all English majors except those concentrating in Theatre. Prerequisites: ENGL 0101 AND ENGL 0102.

ENGL 0211 BRITISH LITERATURE 1603-1780 (3) Students read British classics from the seventeenth century through the period of the Pre-Romantics, by authors such as Shakespeare, Milton, Dryden, Pope, and Swift. This course emphasizes identifying the connections between literature and history, philosophy, and the arts. Literary and intellectual currents of the Renaissance, the Enlightenment, and the Age of Sensibility are closely examined. Essential for the serious student of literature, and required of all English majors except those concentrating in Theatre. Prerequisites: ENGL 0101 and ENGL 0102.

ENGL 0212 BRITISH LITERATURE SINCE 1780 (3) Students read British classics from the late eighteenth century to the present, by authors such as Blake, Wordsworth, Coleridge, Mary Shelley, Dickens, Lawrence and Woolf. This course emphasizes identifying the connections between literature and history, philosophy, and the arts. Literary and intellectual currents of the Romantic, Victorian, and post-war periods are closely examined. Essential for the serious student of literature, and required of all English majors except those concentrating in Theatre. Prerequisites: ENGL 0101 and ENGL 0102.

ENGL 0213 MAJOR BRITISH WRITERS (3) A close reading of significant writers of English literature from the time of Beowulf to the present, such as Chaucer, Shakespeare, Milton, the Romantics, Dickens, Woolf and Auden. Students develop skills that will enable them to read the classics of English literature with greater pleasure and understanding. The interrelations of literature, the arts and social history receive considerable attention. Medieval feudalism, Renaissance Humanism, the Enlightenment, Romanticism, the Victorian era, and Modernism are some of the movements that may be examined in this course. Not for English majors. Prerequisite: ENGL 0101 and ENGL 0102.

ENGL 0215 MAJOR AMERICAN WRITERS (3) A close reading of significant American writers from early America through the twentieth century. The course will include authors such as Edward Taylor, Anne Bradstreet, Emerson, Thoreau, Whitman, Dickinson, Twain, Faulkner, and Morrison. Students develop skills that enable them to read the classics of American literature with greater pleasure and understanding. The interrelations of literature, the arts and social history receive considerable attention. New England Puritanism, Unitarianism, Realism, Modernism, and Postmodernism are some of the movements that may be examined in this course. Not for English majors. Prerequisite: ENGL 0101 and ENGL 0102.

ENGL 0216 19TH CENTURY AMERICAN LITERATURE (3) Students read American classics from the nineteenth century by authors such as Emerson, Hawthorne, Poe, Melville, Dickinson, Douglass, and Whitman. This course emphasizes identifying the connections between literature and history, philosophy, and the arts. Literary and intellectual currents of the American Renaissance and late nineteenth-century periods are closely examined. Essential for the serious student of literature, and required of all English majors except those concentrating in Theatre. Prerequisites: ENGL 0101 and ENGL 0102.

ENGL 0217 MODERN AMERICAN LITERATURE (3) Students read American classics from the twentieth century, by authors such as James, Cather, Eliot, Faulkner, Hemingway, and Morrison. This course emphasizes identifying the connections between literature and history, philosophy, and the arts. Literary and intellectual currents of the Modern and Postmodern periods are closely examined. Essential for the serious student of literature, and required of all English majors except those concentrating in Theatre. Prerequisites: ENGL 0101 and ENGL 0102.

ENGL 0221 WORLD LITERATURE to 1750 (3) A comparative study of non-western and western literary works from at least three disparate regions of the world, ranging from antiquity to the 18th century. Readings will include prose fiction, plays, poems, and selections from epics. Prerequisite: ENGL 0101 and ENGL 0102.

ENGL 0222 WORLD LITERATURE SINCE 1750 (3) A comparative study of non-western and western works from at least three disparate regions of the world, demonstrating varieties of romanticism, realism, modernism, and postmodernism. Students consider works' intrinsic merits and values as well as their historical and cultural contexts, and learn various critical approaches, such as new criticism, feminism, and reader-centered methods. Prerequisite: ENGL 0101 and ENGL 0102.

ENGL 0223 THE BIBLE AS LITERATURE (3) An examination of the Bible's legends, folk tales, songs, and historical narratives in relation to classical mythology as seminal ideas and themes in English literature.

ENGL 0224 WORLD ETHNIC LITERATURE (3) Explores the literature of a particular people, nation or region of the world. Literary works are considered against the background of the group's culture, traditions, and history. Emphasis is designated each semester by a subtitle. Course may be taken more than once if topics are different. Prerequisite: ENGL 0101 and ENGL 0102.

ENGL 0225 THE SHORT STORY (3) Extensive readings of short stories of various periods representing different countries. Special attention is given to the theme and form of each story.

ENGL 0226 ETHNIC LITERATURE OF THE UNITED STATES (3) Explores the literature of a particular group or region of the United States. Literary works are considered against the background of the group's culture, traditions, and history. Emphasis is designated each semester by a subtitle. Course may be taken more than once if topics are different. Prerequisite: ENGL 0101 and ENGL 0102.

ENGL 0227 CONTEMPORARY LITERATURE (3) A study of various types of international literature since World War II and the influence of the period on such literature. Plays, different forms of fiction, and poetry are read and discussed.

ENGL 0228 INTRODUCTION TO SHAKESPEARE (3) Students gain a basic understanding and appreciation of Shakespeare as a theatre artist and poet by reading selected plays by Shakespeare. Focus is on Shakespeare's themes, poetry, theatre, times, dramatic genres, and characters. No student may receive credit for this course if credit is received for either ENGL 0317 (Shakespeare I) or ENGL 0318 (Shakespeare II). Prerequisite: ENGL 0101 and ENGL 0102.

ENGL 0246 CREATIVE WRITING (3) For qualified students interested in identifying and developing their special writing abilities. The techniques of writing fiction, drama, and verse will be studied.

ENGL 0250 ORAL INTERPRETATION (3) Geared towards aiding those students interested in broadcasting, acting, or teaching careers. In an informal group setting, the student will pursue the heightening and sharing of his/her sensitivities in relation to a wide choice of written materials including drama, children's literature, documentaries, fiction, editorials, scripts, and poetry. At the same time, the course will concentrate on using and developing the full range of the voice as the vehicle to communicate the student's sensitivities and interpretations. Counts as a 0300-level elective for literature and literature/secondary education concentrations.

ENGL 0251 THEATRE MANAGEMENT (3) The organization and business practices of theatrical companies and of theatre production. The course will acquaint students with the roles of the producer and the managing director. The requirements and responsibilities of both commercial and non-profit theatrical production will be addressed, as well as the roles and functions of various management personnel. The course will include such topics as fund raising, subscription sales, publicity and promotion, community relations, agents, unions, stage management, and long- and short-term planning.

ENGL 0252 ACTING I (3) An introductory course in the art and craft of the actor designed to make the student aware of personal outer and inner resources and to provide the student with work habits and tools to approach the actor's task with understanding.

ENGL 0255 DIRECTING I (3) A study of the process of play direction and practice in the staging of scenes from the most common styles of plays.

ENGL 0260 SCRIPT ANALYSIS & INTERPRETATION (3) This course is designed for students of varying disciplines. The course will impart a formalist approach to script analysis and interpretation and its application to classical, modern, and contemporary texts, and will facilitate a greater understanding and appreciation of the art and craft of dramatic writing. The course will challenge and assist students in the development of their critical, analytical, and creative abilities. Knowledge acquired in this course will assist students in their analysis and understanding of other literary works and will increase their appreciation of the work of the creative writer. The course will also provide insight into how one's interpretation of a dramatic text can be translated into concrete graphic, visual, and aural terms for a theatre audience.

ENGL 0275 JOURNALISM I (3) An introduction to print journalism. Students find out how to report and operate a newspaper by gathering information and writing stories. Reporters develop techniques, learn to write various types of beat and specialty reports, concentrate on meeting deadlines, and discuss libel law and ethical issues. Students write at least six articles. Prerequisites: ENGL 0101 and ENGL 0102.

ENGL 0276 WRITING ABOUT THE ARTS (3) An introduction to the techniques of reviewing and criticizing the arts. Students will read classic and contemporary reviews of drama, film, dance, architecture, painting, literature and music, and will review various contemporary works and performances. The course will be useful for students who would like a better understanding of aesthetics, of the contemporary arts, and of the techniques of effective writing. Prerequisite: ENGL 0102.

ENGL 0300 DEVELOPMENT OF THE NOVEL (3) A reading of exemplary models of the genre by early to modern writers, such as Richardson, Fielding, Austen, Dickens, Dostoevsky, Flaubert, Joyce and Faulkner. Origins, theory, and shaping influences in the development of the novel will be considered. Prerequisites: ENGL 0101 and ENGL 0102.

ENGL 0311 THE BRITISH NOVEL (3) A study of the development of the novel as a genre, its literary origins and its relationship to society. Readings begin with 18th-century novelists such as Defoe, Richardson, Fielding, Smollett, and Sterne and continue with 19th-century representatives: Austen, Dickens, Eliot, Hardy, and Conrad.

ENGL 0313 MEDIEVAL ENGLISH LITERATURE (3) A study of the outstanding English literature of the eighth through fifteenth centuries. Poems, dramas, sermons, and other prose works will be studied in their literary and historical traditions perspectives.

ENGL 0314 MILTON (3) A study of the man and his works including Paradise Lost and selected poetry and prose.

ENGL 0317 SHAKESPEARE: TRAGEDIES AND HISTORIES (3) A study of the tragedies and histories of Shakespeare including some consideration of his sources, his use of Elizabethan ideas, and his theatre.

ENGL 0318 SHAKESPEARE: COMEDIES AND ROMANCES (3) A study of the comedies and romances, including some consideration of Shakespeare's sources, his use of Elizabethan ideas and his theatre.

ENGL 0319 VICTORIAN LITERATURE (3) A study of literary responses to the impact of industrialism, science and modernism upon England's society and culture between 1830 and 1900. Readings include: Carlyle, Ruskin, Newman, Mill, Tennyson, Browning, Arnold, Dickens, Eliot.

ENGL 0321 IRISH THEATRE (3) A course in the development of modern Irish theatre from its origins at the turn of the twentieth century to the present. The plays and artistic credos of Yeats, Shaw, Lady Gregory, Synge, O'Casey, and Behan will be studied, in addition to the representative works of other important Irish dramatists.

ENGL 0323 THE AMERICAN NOVEL (3) Readings will include at least one major work of fiction by each member of a selected group of American novelists from the mid-nineteenth century to the present day.

ENGL 0324 BLACK AMERICAN LITERATURE (3) A study of significant works by black American writers drawn from various genres and periods and considered in the historical and cultural contexts of black experience. Prerequisites: ENGL 0101 and ENGL 0102.

ENGL 0326 WOMEN WRITERS (3) An exploration of diverse portraits of women in literature written by women that furthers understanding of the social values and critical concepts central to these works. This course also examines the history of ideas, stereotypical images and changing perspectives pertinent to women's issues. Prerequisites: ENGL 0101 and ENGL 0102.

ENGL 0327 CONTEMPORARY CROSS-CULTURAL LITERATURE (3) A comparative study of contemporary Non-Western literature from regions such as Africa, the Middle East, Latin America and Asia. Works from various genres will be considered in the context of their cultural implications as well as their distinctive literary features. Selections from Western literature may also be included for comparison. Prerequisites: ENGL 0101 and ENGL 0102.

ENGL 0330 AN INTRODUCTION TO MODERN LITERARY CRITICISM (3) Examines significant types of literary criticism from classical theories to contemporary critical approaches. Among the types of criticism that may be included are New Criticism, Myth and Archetype, Freudianism, Structuralism, Deconstruction, Semiotics, and Feminism. Emphasis will be on the application of theories to specific literary texts.

ENGL 0332 ROMANTIC LITERATURE (3) A study of the prose and poetry of the major writers of the Romantic Age.

ENGL 0338 LITERATURE AND THE ADOLESCENT (3) A detailed examination of the teaching of literature in the junior and senior high school, with emphasis on literature written expressly for adolescents. Attention will also be given to related matters: (1) the objectives and functions of literature study; (2) a pedagogical approach to major genres; (3) new approaches to literature study; (4) methods of teaching reading. In short, this course ought to aid teachers who wish to improve the way they teach literature to their students.

ENGL 0339 LITERATURE OF THE EIGHTEENTH CENTURY (3) Students read the literary genres popular in the Age of Reason, including satires, essays and poems by major writers such as Pope, Swift, Johnson, Wollstonecraft, Smart, and Burns. The importance of both letter-writing and conversation in the social and artistic life of the period receives considerable attention. Prerequisites: ENGL 0101 and ENGL 0102.

ENGL 0341 SEMINAR IN MAJOR BRITISH AND AMERICAN AUTHORS (3) A study of significant works by major literary figures. Each seminar will feature the works of one or two literary figures. The names of the figures will be announced in advance of the seminar and will be included in the course title.

ENGL 0344 STUDIES IN SATIRE (3) An exploration of the delights and dangers of satiric writing. Readings include such writers as Horace, Juvenal, Swift and Twain, as well as contemporary satirists. Prerequisites: ENGL 0101 and ENGL 0102.

ENGL 0345 WRITING FICTION (3) Advanced workshop in fiction. Emphasis on discovery of individual style, mastery of traditional forms and techniques, and exploration beyond conventions. Special attention given to organic development of theme, and postmodernist innovations. Prerequisite: ENGL 0246 or permission of the instructor.

ENGL 0346 WRITING POETRY (3) Advanced workshop in poetry. Emphasis on discovery of the individual voice, mastery of traditional forms and techniques, and exploration beyond conventions. Special attention given to imagery, uses of the subconscious, and the poetic sequence. Prerequisite: ENGL 0246 or permission of the instructor.

ENGL 0347 ADVANCED CRITICAL WRITING (3) Designed to develop formal writing ability on scholarly topics. Intensive library research will precede all writings. The goal of the course is to provide students with the research and writing skills necessary in the preparation of papers of publishable quality.

ENGL 0348 HISTORY OF THE ENGLISH LANGUAGE (3) The course traces the development of the English language from its beginnings to the present. How did the structure, sounds and meaning of our language change? What forces influenced these changes? The course explores such topics as: the influence of Romans, Vikings, and other groups; the impact of the Norman Conquest and the invention of the printing press; and the work of significant linguists and lexicographers such as Noah Webster. Prerequisites: ENGL 0101 and ENGL 0102.

ENGL 0349 THE STRUCTURE OF MODERN ENGLISH (3) A study of the origin and development of the English language with emphasis on its present structure and usage.

ENGL 0350 METHODS OF TEACHING ENGLISH IN THE MIDDLE SCHOOL (3) Preparation for teaching English in middle school through the following: study and observation of school structures, procedures, and teaching techniques; evaluation and selection of appropriate material for middle school students; preparation of lesson and unit plans; presentation of lessons; construction of tests; and evaluation of student writing. Course requires a thirty hour field placement. Prerequisite: 24 credits in the literature concentration of the major and permission of the instructor.

ENGL 0351 METHODS OF TEACHING ENGLISH IN THE SECONDARY SCHOOL (3) Preparation for teaching English in the secondary school through the following: study and observation of school structures, procedures, and teaching techniques; evaluation and selection of appropriate material for secondary school students; preparation of lesson and unit plans; presentation of lessons; construction of tests; and evaluation of student writing. Course requires a thirty hour field placement. Prerequisite: 24 credits in the literature concentration of the major and permission of the instructor.

ENGL 0352 METHODS OF TEACHING ENGLISH IN THE MIDDLE/SECONDARY SCHOOL (3) Preparation for teaching English in middle/secondary school through the following: study and observation of school structures, procedures, and teaching techniques; evaluation and selection of appropriate material for middle/secondary school students; preparation of lesson and unit plans; presentation of lessons; construction of tests; and evaluation of student writing. Course requires a thirty hour field placement. Prerequisite: 24 credits in the literature concentration of the major and permission of the instructor.

ENGL 0353 THEATRE WORKSHOP (6) Daily and intensive course for experienced students. No two workshops are quite alike; a recent workshop presented a new play each week for ten weeks. Prerequisite: Permission of the instructor.

ENGL 0354 COSTUME & FASHION DESIGN (3) Students will acquire an appreciation and an understanding of the crafts of costume and fashion design as unique forms of artistic expression. Students' will learn about style, about the designer's creative process, how to analyze and interpret play scripts and characters from the costume designer's perspective. They will also learn the tools, techniques, and processes of costume and fashion design and construction. The course will provide a cultural and historical perspective, revealing how the pressures of place and time have influenced both fashion and theatrical costume design. Criteria will be established to enable students to evaluate and to articulate their reactions to the design experiences.

ENGL 0355 THEATRE APPLICATIONS (3) This course is designed to give students an intensive instructional experience in theatrical production and technology. Students will learn the day-to-day responsibilities, expectations, and problem solving techniques in a multitude of a production areas. Students will learn the techniques and processes connected with such production responsiblities as designing, stage managing, construction, and publicity and promotion. May be taken twice for credit.

ENGL 0356 STAGECRAFT TECHNIQUES (3) Construction techniques and terminology, the use and safe operation of tools, carpentry skills, reading blueprints, and scene painting techniques are included in this course which serves as preparation for ENGL 0353 Theatre Workshop.

ENGL 0357 ACTING II (3) Working on a role, students apply the elements of Acting I to text, character analysis, and performance. Scenes and short works will be performed for class criticism. Prerequisite: ENGL 0252.

ENGL 0358 ACTING SEMINAR (3) A culminating course designed to apply the skills acquired in introductory acting courses. The semester will be devoted to preparing, performing, and evaluating a theatre work for the public. Prerequisites: Acting 1 and Acting II or permission of instructor. May be taken twice for credit.

ENGL 0362 RESEARCH SEMINAR IN THEATRE (3) Advanced research in theatre, including guided individual study of an approved topic. Members of the department will assist students whose special interests coincide with their specialized areas. Prerequisite: Permission of instructor.

ENGL 0363 METHODS OF TEACHING THEATRE ARTS (3) Designed to prepare students seeking certification in Communication and the Theatre Arts. Skills in critical, technical, and performing areas will be applied in a series of model productions and classes for different school levels. Students will observe and assist teachers in the appropriate areas. Course requires a thirty hour field placement. Prerequisite: Permission of instructor only. Students must have completed ENGL 0104, ENGL 0369, and required courses in Stagecraft, Production and Performance area; they must also be recommended by their performance area instructors.

ENGL 0364 AMERICAN DRAMA (3) Emphasis on the development of the dramatic form in America. Plays that are read and discussed demonstrate that there is a native American dramatic tradition and that experimentation is one of its characteristics. The plays also reflect significant development in and through culture.

ENGL 0365 DRAMATIC CRITICISM (3) Students read major historic and modern drama criticism and apply critical principles in writing reviews of area productions.

ENGL 0366 DRAMATIC LITERATURE (3) A critical evaluation of representative plays of the important periods of theatre, including outstanding plays of Greece, Italy, Germany, Sweden, Spain, Russia, England and the United States. An attempt is made to understand in depth the influence of the times upon the plays and authors studied. Prerequisite: ENGL 0104 or 0369.

ENGL 0367 FILM THEORY AND CRITICISM (3) A study of the basics of film communication, various film modes and structure. A development of bases for evaluation of films according to communicative and aesthetic values will be a primary aim.

ENGL 0368 DIRECTING II (3) Through directing of at least one one-act play, class criticism, and analysis, students will learn the role of director as interpreter, organizer, teacher, and stage manager. Prerequisite: ENGL 0255.

ENGL 0369 THEATRE HISTORY I: EARLY STAGES (3) This course is an interdisciplinary study of the development, continuum, and evolution of Western theatre in a world cultural context. The course will focus on the agendas and legacies of key figures and movements in the development of Western theatre from its origins in ritual and ceremonial dance to the community performances of the Middle Ages. The relationship of Western theatre to Eastern examples, the development of the theatre as a physical structure, the development of various concepts of character and dramatic action, and the changing relationship of life on the stage to life off the stage will be examined through the study of selected dramatists, theoreticians, directors, designers, and performers.

ENGL 0370 MODERN DRAMA (3) Modern theatre is characterized by its international nature and its diversity of subject, style, and setting. This course will chronologically examine the development of modern drama from Ibsen to the present with specific attention to crucial social, political, and scientific influences and pivotal plays.

ENGL 0371 PLAYWRITING (3) Introduction to the craft recommended for students with some experience in both creative writing and theatrical production.

ENGL 0372 HISTORY OF PROSE (3) A study of the evolution of English language and style in non-fiction prose from the seventeenth century to the present. With a focus on the conventions of the essay tradition, course readings will also include some examples of journals, memoirs, biographies, and autobiographies. Selections will be made from such writers as Bacon, Burton, Addison, Steele, Boswell, Newman, Mill, Darwin, Thoreau, Douglass, Woolf, and from contemporaries. Prerequisite: 0200-level literature course.

ENGL 0374 WRITING FOR FILM (3) This course will introduce students to screenwriting. They will first learn the syntax of film--the various kinds of shots and how those shots can be combined to create meaning or to tell a story. They will then learn how their own ideas can be transcribed into scripts. They will try their hands at three of the main modes of screenwriting: each student will write a brief documentary, and adaptation, and an original story. Students will also screen and discuss examples of these three kinds of movies.

ENGL 0375 JOURNALISM II (3) Students employ advanced techniques in beat and specialty reporting for print journalism. Reporters in the course run a "mock newspaper" working in various editorial aspects of the newspaper. Reporters complete a series of articles, including but not limited to conference and meeting reports, features, profiles, commentaries, and police and court news and editorials. Prerequisite: ENGL 0275 or MCOM 0275.

ENGL 0376 MODERN BRITISH AND AMERICAN POETRY (3) Reading and discussion of the foremost English and American poets of the 20th century. Special attention is given to the experimental forms and the modern thought of the poetry.

ENGL 0377 FEATURE WRITING (3) An introduction to writing feature stories for newspapers and magazines. Students will write a variety of newspaper features. They will also prepare and send a query (story proposal) to a magazine and write the story upon which the query is based. Prerequisite: ENGL 0275 or permission of instructor.

ENGL 0378 THEATRE HISTORY II: RENAISSANCE TO ROMANTICISM (3) This course is an interdisciplinary study of the development, continuum, and evolution of Western theatre in a world cultural context. The course will focus on the agendas and legacies of key figures and movements in the development of Western theatre from the European Renaissance to the emerging world stage of the nineteenth century. The relationship of Western theatre to Eastern examples, the development of the theatre as a physical structure, the development of various concepts of character and dramatic action, and the changing relationship of life on the stage to life off the stage will be examined through the study of selected dramatists, theoreticians, directors, designers, and performers.

ENGL 0379 THEATRE HISTORY III: THE MODERN STAGE (3) This course is an interdisciplinary study of the development, continuum, and evolution of Western theatre in a world cultural context. The course will focus on the agendas and legacies of key figures and movements in the development of Western theatre from the realist/naturalist movements of the nineteenth century to the world theatre of the 1940s. The relationship of Western theatre to Eastern examples, the development of the theatre as a physical structure, the development of various concepts of character and dramatic action, and the changing relationship of life on the stage to life off the stage will be examined through the study of selected dramatists, theoreticians, directors, designers, and performers.

ENGL 0380 PRACTICUM IN ENGLISH (3-12) A practical internship program for senior English majors who want to gain real experience in on-the-job training such as theatre, television, radio, report writing, news writing, insurance underwriting, education, editing, public relations, and advertising. Students will participate for a stipulated period under professional supervision and will be periodically observed by college faculty.

ENGL 0382 CONTEMPORARY POETRY (3) A study of the innovative and influential poets, styles, trends and movements in English language poetry since the 1960's, including confessionalism, surrealism, the New Formalism, and regional and ethnic poems. Prerequisites: ENGL 0101 and ENGL 0102.

ENGL 0383 TEACHING WRITING: ISSUES IN RHETORIC AND COMPOSITION (3) Examines current theory and practice in the teaching of writing. Topics covered include methods for teaching the writing process, curriculum development, issues of diversity, computer pedagogies, and grammar instruction. While the primary focus of the course will be writing pedagogy, students will also have opportunities to study how various theories of in rhetoric and composition inform their own writing process.

ENGL 0384 SPECIAL TOPICS IN JOURNALISM (3) An introduction to or an examination of journalistic writing and journalistic issues not dealt with in the basic curriculum. Past topics have included the new journalism writing for the editorial page and the first amendment. Prerequisite: ENGL 0275 or permission of instructor.

ENGL 0387 WORLD DRAMA (3) This course deals mainly with discussion, interpretation and critical evaluation of selective texts from the world's drama (from the Greeks to the present) emphasizing genres and periods. Consideration will also be given to the ideas, structures, styles, and techniques of dramatic literature.

ENGL 0388 SPECIAL TOPICS IN WRITING (3) An advanced course in writing based upon a common theme or subject.

ENGL 0389 SCENIC DESIGN (3) The course will convey an appreciation and understanding of scenic design as a unique form of artistic expression and the artistic skills and craftsmanship necessary to a scenic designer. Students will learn how to analyze and interpret a script from the scenic designer's perspective and to translate one's concepts into concrete visual and graphic terms. Students will acquire a working understanding of theatre history and style as they relate to scenic design. The course will stress process and methodology and will expose students to the scenic designer's creative process, touching on such areas as analysis, research, sketching, rendering, model building, and ground plan development.

ENGL 0390 LIGHTING AND SOUND DESIGN (3) This course teaches the science and the art of the disciplines of lighting and sound design. Students will learn the tools of the trades and how to use them to enhance a theatrical production. It will acquaint students with the designers' processes and how each analyzes, interprets, and translates a script into a cogent design concept, and how each uses the tools and the latest technology of the trade to execute the design.

ENGL 0391 SPECIAL STUDIES IN FILM (3) Intensive study of significant individuals, groups, topics, or movements in the development of film.

ENGL 0392 BUSINESS AND TECHNICAL WRITING (3) How to write more powerfully, persuasively, and successfully in business. Students will learn the strategies of writing clear and effective memos, letters, and reports, and easy techniques for using tables and graphs. By the end of the course the student will have a portfolio of writing samples to demonstrate writing skills. Prerequisites: ENGL 0101 and ENGL 0102.

ENGL 0393 HISTORY AND DEVELOPMENT OF MOTION PICTURES (3) A study of the evolution of the motion picture as an international art form and social force. Students will make an analysis of form, technique and impact of film. A selected screening of representative film styles and content will be made.

ENGL 0394 NEWS EDITING (3) An introduction to the duties of the copy editor. Students will work to refine the skills and art necessary to news selection, editing, headline writing, design and layout. Prerequisite: ENGL 0275.

ENGL 0395 SPORTS WRITING (3) Concentrates on techniques of descriptive and interpretive newspaper and magazine sports writing, with an emphasis on collegiate sports. Techniques for interviewing coaches and players, developing angles, and meeting deadlines are emphasized. Students will cover sporting events, file reports for the class, and compile a portfolio. Prerequisite: ENGL 0275 or MCOM 0275.

ENGL 0397 SPECIAL TOPICS IN LITERATURE (3) Focuses on a specific period, genre, writer, or group of writers, chosen in keeping with the instructor's field of specialization and in response to student interest. Prerequisite: a 0200-level literature course.

ENGL 0399 INDEPENDENT STUDY (3-6) Independent work in a field of special interest in either literature or language not covered by our regular course offerings. The student will be assigned a faculty member qualified to supervise the independent study project. The student must apply to the department Chair at least one semester in advance of the one during which he/she engages in the study and the project must be approved by the Department Curriculum Committee.

ENVIRONMENTAL SCIENCE MAJOR

Westfield State College has established an interdisciplinary and intercollege Environmental Science major that emphasizes the interdependence of the natural and social sciences. Upon completion of this major, students will be able to identify and understand the major components of social systems and the natural environment, and how these components interact. Graduates will be prepared to enter the rapidly expanding environmental field with careers in the public and private sectors. Employment opportunities exist in industries concerned about pollutants and toxic waste by-products of their own manufacturing procedures, or among companies specializing in solid and toxic waste management, methods of pollution abatement, or groundwater testing and cleanup. Other employment opportunities include local, state, or federal government agencies engaged in development planning or monitoring compliance with environmental laws, or with monitoring air, groundwater, or surface water quality.

Environmental scientists strive to understand the natural world, identify problems that arise from human interaction with the environment, search for scientific solutions to problems that exist, and implement those solutions. Students majoring in Environmental Science at WSC will have a strong background in the process of science and the fundamental concepts that influence environments. The required Biology, Chemistry, and Geography and Regional Planning courses will provide them with the basic understanding of the components of an ecosystem, the interactions among the various components, and the interaction of abiotic and biotic factors. Technical courses offered at Springfield Technical Community College and Holyoke Community College will further strengthen the skills of WSC environmental science majors. Additionally, students will learn how people interact with each other and how they interact with the environment. Required Biology, Geography and Regional Planning, Economics, History, Art, Philosophy, Sociology, and Political Science courses will provide students with the background necessary to understand these complex interactions. Students will learn to identify problems, conduct analyses, and communicate the results of these studies in many of the Biology, Geography and Regional Planning, and English courses. The Internship/Independent Study requirement provides students with practical experience in an environmental field, and also maintains the vital link between industry and academia.

The primary mission of the Environmental Science program is to provide a service-oriented, interdisciplinary and collaborative program which helps students to:

- Develop an understanding of the natural world
- Identify problems that arise from human interactions with the environment
- Search for scientific solutions to these problems
- And develop plans to implement those solutions.

The major requires 35-40 credit hours depending on the laboratory experiences the student selects.

For more information about the Environmental Science major, contact either Prof. Stephanie Kelly (Chair of Geography and Regional Planning) at (413) 572-5722, or Prof. David Doe (Chair of Biology Department) at (413) 572-5291 or visit our homepage:
http://www1.wsc.ma.edu/environmentalscience/

REQUIRED COURSE WORK

The Environmental Science Major consists of 35-40 credits, dependent on advising and the interests of the student. All students must take at least 21 credit hours from the list below at Westfield State College.

Required Environmental Science Courses (10-11 hours):
One of the Following:

BIOL 0102	Environmental Biology	**or**
GARP 0106	Environmental Analysis	

And also:

BIOL 0228	Biological Concepts
ENGL0392	Business and Technical Writing

Areas of Study (22-26 hr. by advisement; choose one required and one option from each category, plus one additional optional course):

Natural Dimensions
Required:
BIOL 0201 General Ecology or
BIOL 0202 Conservation Biology
Options:
BIOL 0208 Marine Biology
BIOL 0211 Botany of Higher Plants
BIOL 0216 Flora of Massachusetts
BIOL 0217 Invert. Zoology
BIOL 0219 Aquatic Biology
BIOL 0223 Microbiology
BIOL 0235 Ornithology
BIOL 0305 Plant Communities
BIOL 0312 Mammalogy
GARP 0230 Meteorology
GARP 0220 Landform Evaluation

Human Dimensions
Required:
GARP 0225 Legal Issues or
BIOL 0233 Environmental Legislation
Options:
GARP 0217 Global Issues
GARP 0219 Land Res. Analysis
GARP 0238 Envir. Impact Analysis
BIOL 0316 Urban Ecology
POLS 0204 Public Administration
POLS 0318 Public Mgmt. Skills
ECON 0320 Environmental Economics
ECON 0321 Nat. Resource Economics.

Methods/Technology Dimensions
Required:
GARP 0346 Quantitative Methods
Options:
GARP 0236 Environ. Analysis. II
GARP 0242 Computer Mapping
GARP 0243 Remote Sensing
GARP 0344 GIS
PHYS0201 Organic Chemistry I
PHYS0211 Instrumental. Analysis
PHYS0310 Advanced. Instrumental. Analysis

Senior Thesis/Seminar or Internship (Pick 1 by advisement; 3 hours):

ENVS 0350 Internships **or**
ENVS 0391 Senior Seminar

REQUIRED CORE COURSE WORK

Humanities Section (18 Hours, six hours from each section)

English Composition (6 hours)
ENGL 0101 English Composition I
ENGL 0102 English Composition II
Lit and Philosophical Analysis (6 hours)
PHIL 0102 Introduction to Ethics
PHIL 0110 Philosophy of Science
Appreciation of Fine Arts (6 hours)
ART 0104 Design Fundamentals
second course by advisement

Social Sciences Section (12 hours, 3 must be from US History and Government Area)

State and Local Government
POLS 0101 American National Government

Social Understanding (9 hours)
GARP 0101 World Regional Geography
SOCI 0101 Principles of Sociology
ECON 0101 Principles of Macroeconomics **or**
ECON 0102 Principles of Microeconomics

Math/Applied Analytical Reasoning (Six hours required, 3 must be from traditional Math area)

Traditional Mathematics
MATH 0104 Precalculus or
MATH 0108 Elementary Statistics
Applied Analytical Reasoning
GARP 0346 Quantitative Methods

Science Section (16 hours)
GARP 0102 Physical Geography
PHYS 0109&0111Gen. Chemistry I & II
PHYS 0104&0105 Physical Geology / Lab

Diversity Section (Six hours required, 3 from each area)
Global: by advisement
United States: by advisement

FOREIGN LANGUAGES AND LITERATURES

The Department of Foreign Languages and Literatures offers the college community courses in language acquisition and in other literatures and cultures. All language courses emphasize proficiency in understanding, speaking, reading, and writing the target language; they also help students to expand their appreciation of the target culture. Course sequences for French, German, Italian, Japanese, Portuguese, and Spanish are available. During the 1999-2000 academic year, only courses in French and Spanish are being offered. These courses are intended for students who plan to study in graduate school or whose professional interests have an international or multiethnic component.

The Foreign Languages Department also offers courses in literature in translation and foreign cultures. Most of these fulfill the College's general education requirements and all are taught in English. Such courses provide students with valuable insights into the creative spirit of other peoples, their perspectives on past and contemporary issues, and an appreciation of their cultures.

Students also have the opportunity of enrolling in minor concentrations in French and/or Spanish. The minor consists of 18 credit hours, including the 0103 and 0104 intermediate level courses in each language. A working knowledge of another language provides opportunities in business and commerce, in government and social services, and in most professional careers.

FRENCH MINOR

LFRE 0103 French III
LFRE 0104 French IV
12 credits in upper-level French courses

SPANISH MINOR

LSPA 0103 Spanish III
LSPA 0104 Spanish IV
12 credits in upper-level Spanish courses

COURSES TAUGHT IN ENGLISH – LANGUAGE AND CULTURE

LANG 0210 LANGUAGE, CULTURE AND SOCIETY (3) An introduction to the role of language in shaping and reflecting social structures within and among human communities. Topics treated include language issues in relation to social class, ethnicity and gender, language usage and language change, and controversies centering on issues of language and public policy primarily in the U.S

LCUL 0201 WOMEN IN THE HISPANIC WORLD (3)
A study of selected female figures of historic, artistic, political, or cultural importance within the Hispanic world, as well as social movements shaped by women's distinctive roles and contributions. Readings of primary and secondary sources, oral presentations and significant writing required. Prerequisites: ENGL 0101, ENGL 0102.

LCUL 0210 HISPANIC CULTURES IN THE UNITED STATES (3) A study of the historical and cultural background of Hispanics in the United States from the 16th century to the present. Emphasis on Mexican Americans in the Southwest, Cuban Americans in Florida, and Puerto Ricans in the Northeast. Contemporary cultures studied through creative literature and the arts.

LCUL 0211 FRENCH HERITAGE I (3) A chronological and thematic survey of French literature and culture from its origins to the end of the 18th century; a critical analysis of selected works from the perspective of the cultural milieu in which they were created. Discussions are in English Prerequisite: LFRE 0201. Also offered as LFRE 0211 for students who wish to do the readings in French. [Pending final governance approval].

LCUL 0212 FRENCH HERITAGE II: (3) A chronological and thematic survey of French literature and culture from the Revolution of 1789 to the present; a critical analysis of selected works from the perspective of the cultural milieu in which they were created. Readings and discussions are in English. Also offered as LFRE 0212 for students who wish to do the readings in French.

LCUL 0220 ENVISIONING THE AMERICAS (3) An examination of the experiences and social structures which have shaped the ethos of Anglo America and Latin America respectively. Focus on the nature and origins of the two societies' perceptions of the new continent, of the indigenous populations and of each other. Taught in English.

COURSES TAUGHT IN ENGLISH - LITERATURE

LLIT 0201 WOMEN WRITERS OF THE AMERICAS: GLOBAL (3) A study of selected works by women writers of the varied linguistic, national and cultural traditions of the Americas, with special attention to the efforts of writers to define themselves in relation or in opposition to existing literary and cultural traditions. Topics of a given semester may focus on writers of a particular region, or on a selected theme or genre. Taught in English. Students may enroll more than once for credit provided topic is different.

LLIT 0202 WOMEN WRITERS OF THE AMERICAS: US (3) A study of selected works by women writers of the varied linguistic, national and cultural traditions of the Americas. Special attention to the self-definition of writers either in relation or in opposition to existing literary and cultural traditions. Topic of a given semester may focus on writers of a particular region, or on a selected theme or genre. Taught in English. Students may enroll more than once for credit provided topic is different.

LLIT 0210 STUDIES IN THE LITERATURE OF AFRICA AND THE AFRICAN DIASPORA: (varying topics): (3) A study of African literature and that of the African diaspora; focuses on writers of selected national or ethnic origin or on selected themes, topics or genres. Class discussions, oral reports writing assignments and a research paper are required. Topic may vary by semester. May be taken with different topic more than once. Also offered as LFRE 0210 for students who wish to do the readings in French.

LLIT 0220 STUDIES IN EUROPEAN CULTURES (varying topics): (3) A study of European literature in translation; focuses on writers of selected national or ethnic origin or on selected themes, topics or genres. Class discussions, oral reports, writing assignments and research paper are required. Topic may vary by semester. May be taken with different topic more than once.

LLIT 0310 STUDIES IN HISPANIC CIVILIZATION (3) A study of selected issues, thinkers, themes, authors or genres drawn from the literacy and artistic traditions of the Hispanic world. Readings of primary and secondary sources, oral presentations and significant writing required. Topic varies by semester. Taught in English.

FRENCH

LFRE 0101 FRENCH I (3) The first course in the French language sequence. An introduction to the sounds and basic grammatical structures of standard conversational French. Stress on oral comprehension and speaking as well as the reading and writing of simple grammatical patterns. Vocabulary is limited to about 400-500 of the most used words. No prerequisite.

LFRE 0102 FRENCH II (3) The second course in the French sequence. Stress on oral comprehension and speaking as well as the increased practice of reading and writing. Additional active vocabulary of 400-500 of the most common items. Prerequisite: one semester of college or one year of high school French.

LFRE 0103 FRENCH III (3) The third course in the French sequence. Stress on oral comprehension, speaking, reading and writing about topics dealing with contemporary life in the French-speaking world. An additional active vocabulary of 400-500 new words. Prerequisite: two semesters of college or two years of high school French.

LFRE 0104 FRENCH IV (3) The fourth course in the French sequence. Continued emphasis on the four language skills with topics about contemporary life. Additional vocabulary of 400-500 new words. Prerequisite: three semesters of college or three years of high school French.

LFRE 0201 READING FRENCH TEXTS (3) Selected readings on an intermediate level. The goal is the development of the student's vocabulary and reading skills. Reading material will be drawn from various appropriate sources. Prerequisite: LFRE 0104 or the equivalent.

LFRE 0205 SPEAKING AND WRITING: INTERMEDIATE LEVEL (3) This course combines activities designed to help students develop an intermediate level proficiency in oral and written communication skills through a study of the values and attitudes of the Francophone world. The course is conducted entirely in French. The language acquisition component focuses on the following: a) improving students' facility in speaking an writing French within 'real-life' contexts; b) analyzing the linguistic components of a speech sample: phonological, morphological, and syntactic; and c) expanding vocabulary and improving pronunciation and the use of grammatical structures. The area studies component comparing and contrasting the cultural values and attitudes of the Francophone and the Anglophone worlds. Prerequisite: LFRE 0104 or equivalent.

LFRE 0210 STUDIES IN THE LITERATURE OF AFRICA AND THE AFRICAN DIASPORA: (varying topics): (3) A study of African literature and that of the African diaspora; focuses on writers of selected national or ethnic origin or on selected themes, topics or genres. Taught in English. Class discussions, oral reports writing assignments and a research paper are required. Topic may vary by semester. May be taken with different topic more than once. Prerequisite: LFRE 0104. Also offered as LLIT 0210 for students who wish to do the readings in English.

LFRE 0211 FRENCH HERITAGE I (3) A chronological and thematic survey of French literature and culture from its origins to the end of the 18th century; a critical analysis of selected works from the perspective of the cultural milieu in which they were created. Discussions are in English Prerequisite: LFRE 0201. Also offered as LCUL 0211 for students who wish to do the readings in English. [Pending final governance approval].

LFRE 0212 FRENCH HERITAGE II: (3) A chronological and thematic survey of French literature and culture from the Revolution of 1789 to the present; a critical analysis of selected works from the perspective of the cultural milieu in which they were created. Discussions are in English. Prerequisite: LFRE 0201. Also offered as LCUL 0212 for students who wish to do the readings in English.

LFRE 0305 SPEAKING AND WRITING FRENCH: ADVANCED LEVEL (3) This course seeks to help students develop further their proficiency in oral and written communicative skills through a study of the cultural aspects of the contemporary Francophone world. The course is conducted entirely in French. The language acquisition component focuses on the expansion of vocabulary, the practice of advanced grammatical structures, and the performance of advanced level communicative tasks. The area studies component concentrates on contemporary events and personalities in the Francophone world. Prerequisite: LFRE 0205 or equivalent.

LFRE 0308 CONTEMPORARY FRENCH CIVILIZATION (3) Focuses on contemporary French life from 1960 to the present, and various aspects of present-day French society and culture. The course is mandated for French teacher certification. Prerequisites: LFRE 0201, LFRE 0200, or permission of instructor.

LFRE 0340 SPECIAL TOPICS IN FRENCH (3) An in-depth study of a limited or specialized area within French literature or culture. Course content will vary according to the area of specialization of the instructor and the interests of the students. May be repeated if course content differs.

LFRE 0399 INDEPENDENT STUDY (3) A course offered by special arrangement to the student interested in studying a specific aspect of French literature. A reading knowledge of French is required. Prerequisite: LFRE 0300 or LFRE 0301 or the equivalent.

GERMAN

LGER 0101 GERMAN I (3) The first course in the German language sequence. An introduction to the sounds and basic grammatical patterns of standard conversational German. Stress on oral comprehension and speaking. Vocabulary is limited to about 300-400 of the most used words and expressions. No prerequisite.

LGER 0102 GERMAN II (3) The second course in the German sequence. Stress on oral comprehension and speaking plus the reading and writing of simple sentence patterns. Additional active vocabulary of 400-500 new words. Prerequisite: one semester of college or one year of high school German.

JAPANESE

LJAP 0101 JAPANESE I AND LJAP 0102 JAPANESE II (3 each) An introduction to the Japanese language. During the two semesters the fundamental grammatical structures of Japanese will be introduced. Students will also learn simple conversational patterns. The hiragana and katakana syllabaries will be learned and there will be an introduction to kanji and the use of Chinese character dictionaries in the second semester.

PORTUGUESE

LPOR 0101 PORTUGUESE I (3) The first course in the Portuguese language sequence. Stress on oral proficiency, writing and reading. Vocabulary is limited to about 300-400 of the most used words and expressions. Introduction to the cultures of Brazil and Portugal. No Prerequisite.

LPOR 0102 PORTUGUESE II (3) The second course in the Portuguese sequence. Stress on oral proficiency, writing, and reading. Additional active vocabulary of 400-500 new words. Introduction to the cultures of Brazil and Portugal. Prerequisite of one semester of college or one year of high school Portuguese.

SPANISH

LSPA 0101 SPANISH I (3) The first course in Spanish for those who have never studied the language before. Through an introduction to both sounds and basic grammatical structures, it will provide the student with a foundation in both spoken and written Spanish. In this course the emphasis will be on oral comprehension and speaking, and acquisition of a limited, basic vocabulary.

LSPA 0102 SPANISH II (3) The second course in the Spanish sequence. Stress on oral comprehension and speaking will continue, along with increased practice in reading and writing, and enlargement of active vocabulary. Prerequisite: one semester of college or one year of high school Spanish.

LSPA 0103 SPANISH III (3) The third course in the Spanish sequence will review and seek to expand students' understanding of grammatical structures. Increased emphasis on reading and writing through materials dealing with aspects of the Spanish-speaking world. Prerequisite: two semesters of college or two years of high school Spanish.

LSPA 0104 SPANISH IV (3) The fourth course in the Spanish sequence. Stress on reading and some practice in writing, and on the acquisition of new vocabulary. The four language skills listening, speaking, reading and writing will be practiced in relation to topics dealing with the Spanish-speaking world and with contemporary life. Prerequisite: three semesters of college or three years of high school Spanish.

LSPA 0201 READING SPANISH TEXTS (3) Selected readings drawn from the works of various authors and poets of the Hispanic world; the sources include the works of writers from Europe, North and South America, and the Caribbean. An introduction to literature and literary analysis. The goal is the development of the student's critical vocabulary and reading skills. Writing requirement. Prerequisite: LSPA 0104 or its equivalent.

LSPA 0203 SPANISH CIVILIZATION (3) An examination of the forces, conflicts and beliefs which have shaped Spanish culture. Special attention to major works in the visual arts, music and literature which embody the artistic achievements of Spanish civilization. Oral and reading competence in Spanish is required. Prerequisite: LSPA 0104 or the equivalent.

LSPA 0204 SPANISH-AMERICAN CIVILIZATION (3) An examination of the culture of Spanish America in both pre-Colombian and modern times. Emphasis on the diversity of Hispanic cultures in America and the artistic achievements of Spanish-American civilization. Special attention to Mexico, Puerto Rico and contemporary issues in the Hispanic world. Prerequisite: LSPA 0104 or the equivalent.

LSPA 0215 SPEAKING AND WRITING SPANISH: INTERMEDIATE LEVEL (3) This course seeks to help students develop further their proficiency in oral and written communicative skills through a study of cultural aspects of the contemporary Hispanic world. The course is conducted entirely in Spanish. The language acquisition component focuses on the expansion of vocabulary, the practice of advanced grammatical structures, and the performance of advanced level communicative tasks. The area studies component concentrates on contemporary events and personalities in the Hispanic world. Prerequisite: LSPA 0104 or its equivalent

LSPA 0315 SPEAKING AND WRITING SPANISH: ADVANCED LEVEL (3) This course seeks to develop further their proficiency in oral and written communicative skills through a study of cultural aspects of the contemporary Hispanic world. The course is conducted entirely in Spanish. The language acquisition component focuses on the expansion of vocabulary, the practice of advanced grammatical structures, and the performance of advanced level communicative tasks. The area studies component concentrates on contemporary events and personalities in the Hispanic world. Prerequisite: LSPA 0215: Speaking and Writing Spanish: Intermediate Level or its equivalent.

LSPA 0340 SPECIAL TOPICS IN SPANISH (3) An in-depth study of a limited or specialized area within Spanish/Latin American literature or culture. Course content will vary according to the area of specialization of the instructor and the interests of the students. May be repeated if course content differs.

LSPA 0399 INDEPENDENT STUDY (3) A course offered by special arrangement to the student interested in studying a specific aspect of Spanish literature. A reading knowledge of Spanish is essential. Prerequisite: LSPA 0300, LSPA 0301, LSPA 0307 or LSPA 0308 or the equivalent.

GEOGRAPHY AND REGIONAL PLANNING

The Department of Geography and Regional Planning offers Massachusetts' only Bachelor of Science Degree in Regional Planning, minors in Geography and Regional Planning, and the Cartography Certificate. Interdisciplinary in nature, the field of regional planning requires knowledge and skills from the areas of the applied geographic and environmental sciences, political theory and public policy, and computer applications. Many students are dual majors in Regional Planning and related concentrations.

Department courses in geographic thought cover the topical areas of earth science, culture-environment, locational and environmental analysis. The program's environmental concentration deals with the description and analysis of the earth's systems including the atmosphere, hydrosphere, biosphere and lithosphere. Our social planning tract provides an overview of cultural, social, and economic aspects of our relationship to the earth's environment.

Students in the Regional Planning major learn to analyze conflicts between land development and preservation. Land use problems are related to environmental pollution, community and economic development, urban design, recreation provision and transportation issues. A strong internship program has placed qualified students in public and private agencies specializing in land use, development, real estate, and environmental planning.

Recent graduates are employed as town planners or consultants for environmental engineering firms. Several graduates have utililized their skills in computer cartography and have become transportation planners. Many of our graduates have gone on to graduate schools across the country.

The Geography and Regional Planning Department has excellent facilities and equipment. Housed in Bates Hall are the computer multimedia laboratory, which contains remote sensing video and digital analysis equipment, various types of microcomputer hardware and software for cartography, and hardwire connections with the computer center's VAX hardware. Additional department facilities in Bates Hall include a cartography laboratory, physical geography laboratory room and a seminar room. The Wilson Hall weather center contains a computer link to a weather data computer, local meteorological sensors and weather satellite equipment capable of receiving up-to-date images of the earth from the geostationary weather satellites. All computer labs on campus have full Internet access which can provide regional planning students with census data, environmental resources and other information needed to prepare for a professional career.

REQUIREMENTS FOR REGIONAL PLANNING MAJORS

Recommended Preparatory Course Work (7 hours)

GARP 0101 World Regional Geography
GARP 0102 Physical Geography
GARP 0210 Cultural Geography

Regional Planning majors must complete a minimum of 36 credits in course work within the department or interdisciplinary courses, distributed according to the tracks below.

Regional Planning Shared Core - 9 hours: required

GARP 0105 Introduction to Urban and Regional Planning (3)
GARP 0106 Introduction to Environmental Analysis (3)
GARP 0391 Seminar in Regional and Environmental Planning (3)

Regional Planning Methodology - 9 hours; must include one graphic course and one quantitative course

GARP 0242 Introduction to Computer Mapping (3)
GARP 0243 Introduction to Remote Sensing (3)
GARP 0340 Data Collection and Analysis (3)
GARP 0344 Geographic Information Systems (3)
GARP 0346 Quantitative Methods in Planning (3)

Social or Environmental Applications - 12 hours; any four courses listed in one track

Social Planning Track
GARP 0216 Urban Geography
GARP 0218 Recreation Geography
GARP 0225 Legal Issues in Zoning and Planning
GARP 0314 Transportation Geography
GARP 0317 ST: Social Geography and Planning
GARP 0351 Cities of the Third World

Environmental Planning Track
GARP 0215 Economic Geography
GARP 0219 Land Use/Resource Planning
GARP 0220 Landform Evaluation for Planners
GARP 0236 Environmental Analysis II
GARP 0238 Environmental Impact Analysis
GARP 0317 ST: Environmental Geography and Planning
GARP 0330 Climatology

Regional Planning Electives - 6 hours; any two courses listed below, or additional methodology or applications courses
GARP 0213 Travel and Tourism
GARP 0217 Global Issues of the Future
GARP 0315 Site Location Analysis
GARP 0350 Internship in Regional and Environmental Planning - (3-12 credits)
GARP 0399 Independent Study in Geography and Regional Planning (3-6 credits)

Alternative electives may be selected from among the following, with advisor approval:

BIOL 0201 General Ecology	(3)
BIOL 0202 Conservation	(3)
BIOL 0223 Environmental Legislation	(3)
BIOL 0316 Urban Ecology	(3)
CRJU 0206 Crime and the City	(3)
ECON 0301 State and Local Finance	(3)
ECON 0304 Economics of Urban Development	(3)
ENGL 0347 Advanced Writing Techniques	(3)
ENGL 0392 Business and Technical Writing	(3)
GARP 0200 Geography of Europe	(3)
GARP 0201 Geography of Africa	(3)
GARP 0202 Geography of North America	(3)
GARP 0212 Political Geography	(3)
GARP 0230 Introduction to Meteorology	(3)
GARP 0300 Regional Geography of Europe	(3)
GARP 0301 Regional Geography of Africa	(3)
GARP 0308 Cultural Geography of Europe	(3)
HIST 0268 The City in American History	(3)
HIST 0269 Contemporary American City	(3)
HIST 0365 History of City and Regional Planning	(3)
POLS 0204 Introduction to Public Administration	(3)
POLS 0205 Urban Politics	(3)
POLS 0318 Public Management Skills	(3)

INTERDISCIPLINARY MAJOR IN ENVIRONMENTAL SCIENCE

The departments of Biology and Geography / Regional Planning co-sponsor an interdisciplinary major in Environmental Science. For more information about this program, see the listing in the Environmental Science section of this Bulletin.

MINORS IN GEOGRAPHY AND REGIONAL PLANNING

The minor in Regional Planning is tailored to the particular interests of the student in the Regional Planning program. The minor requires a total of 18 semester hours of course work, including GARP 0105 and GARP 0106, any one course listed in the methodology section, and any three courses listed in the Social and Environmental Applications sections.

The department offers two (2) Geography Minors which require 18 semester hours. World Regional Geography (GARP 0101) is required in each minor. The student is advised of the courses related to specific interests from the courses listed below.

The Cultural-Regional Geography minor involves a specialization in a particular region of the world. The Applied Geography minor includes courses related to site location analysis and application.

APPLIED GEOGRAPHY

GARP 0101 World Regional Geography	(3)
GARP 0102 Physical Geography	(4)
GARP 0105 Intro Urban & Region Analysis	(3)
GARP 0213 Travel and Tourism	(3)
GARP 0214 Behavioral Geography	(3)
GARP 0215 Economic Geography	(3)
GARP 0216 Urban Geography	(3)
GARP 0230 Meteorology	(3)
GARP 0242 Computer Mapping	(3)
GARP 0243 Introduction to Remote Sensing	(3)
GARP 0314 Transportation Geography	(3)
GARP 0317 Special Topics in Geography/Planning	(3)
GARP 0320 Intermediate Meteorology	(3)
GARP 0330 Climatology	(3)
GARP 0332 Geomorphology	(3)
GARP 0340 Data Collection and Analysis	(3)
GARP 0344 Geographical Information Systems	(3)
GARP 0346 Quantitative Methods in Planning	(3)

CULTURAL-REGIONAL GEOGRAPHY

GARP 0101 Principles of Geography	(3)
GARP 0102 Physical Geography	(4)
GARP 0201 Geography of Africa	(3)
GARP 0202 Geography of Anglo-America	(3)
GARP 0210 Cultural Geography	(3)
GARP 0212 Political Geography	(3)
GARP 0214 Behavioral Geography	(3)
GARP 0300 Geography of Europe	(3)
GARP 0302 Geography of North America	(3)
GARP 0330 Climatology	(3)

CARTOGRAPHY MINOR

Cartography deals with the theory, design, and production of maps and graphic information. The Westfield State College Cartography minor is designed to train students for jobs in the field of mapping, which include federal, state, and local planning agencies, as well as private institutions.

The program trains students in three distinct areas: map science, remote sensing, and applications. Students are given hands-on experience with state of the art map production equipment including computer graphics, aerial photography and digital data analysis equipment. A newly expanded Geographic Information Systems laboratory is found adjacent to the new PC computer labs in Bates Hall.

The minor is available to all students at Westfield State College. In particular, Computer Science, Business Management, Art, Criminal Justice and Biology majors would find the minor to be a valuable addition to their resumes. Successful completion of the entire program will meet federal employment requirements for Cartographer, GS-1370-5/15.

Required core classes for admission to the Cartography Minor (14 hours as prerequisite):

GARP 0101 World Regional Geography	(3)
GARP 0102 Physical Geography	(3)
GARP 0103 Physical Geography Lab	(1)
MATH 0104 Precalculus	(3)
MATH 0105 Calculus I	(4)

Required Courses in Cartography Minor (12 hours)

GARP 0242 Computer Mapping	(3)
GARP 0243 Introduction to Remote Sensing	(3)
GARP 0344 Geographic Information Systems	(3)
GARP 0346 Quantitative Methods in Planning	(3)

Two of the following as advised (6 hours):

GARP 0230 Meteorology	(3)
GARP 0342 Advanced Computer Mapping	(3)
GARP 0343 Advanced Remote Sensing	(3)
PHYS 0104 Physical Geology	(3)
PHYS 0133 Astronomy	(3)
ART 0206 Lettering and Layout	(3)

Others including Physics, Computer Programming, Computer Graphics, and Mathematics may be selected with advisement.

For more information about the Cartography Minor contact Dr. Robert S. Bristow, Department of Geography and Regional Planning, 572-5595.

INTERDISICPLINARY MINOR IN COMMERCIAL RECREATION AND TOURISM

The Economics and Management, Movement Science, and Geography and Regional Planning Departments offer an interdisciplinary minor in commercial recreation and tourism. A full description of the requirements for this minor is included in the Economics/Business section of the Bulletin.

COURSES

GARP 0101 WORLD REGIONAL GEOGRAPHY (3) Within a world regional context the course offers an examination of the patterns and underlying processes comprising both the human and natural realms of geography. Course content deals with the earth, places, people, the natural environment, human-environmental interaction, and the movement of people, goods, and ideas. Special emphasis is given to achieving a degree of literacy in world locations and developing map interpretation skills. The course also introduces various topical specializations in geography such as economic geography, political geography, population geography, physiography, and urban geography.

GARP 0102 PHYSICAL GEOGRAPHY (4) Physical Geography is the study of the spatial variations of the physical phenomena on the surface of the Earth. It focuses on the geosystems of the Earth, including the four major "spheres": Atmosphere (weather, climatology); Lithosphere (landforms); Hydrosphere (water resources); and Biosphere (flora, fauna). The human-environmental interaction is emphasized. Laboratory and field experiments will explore the various spheres of the Earth and include map interpretation, remote sensing analysis, atmospheric studies, geomorphology investigation, and other human-environment interactions. No prerequisite.

GARP 0103 PHYSICAL GEOGRAPHY LABORATORY (1) An optional laboratory session correlated with GARP 0102 Physical Geography. Conduct of this course will include field study and laboratory techniques. Map and aerial photographic interpretation skills will be emphasized. Prerequisite: Concurrent enrollment or previous enrollment in GARP 0102.

GARP 0105 INTRODUCTION TO URBAN AND REGIONAL ANALYSIS (3) Deals with the history of urban planning, planning theory and the specialty areas of planning, including physical, social and economic planning. Urban, regional and environmental issues are related to applications of solutions to land-use problems at the municipal, state and federal levels. Specific topics covered: innovative zoning techniques, land preservation strategies, governmental programs for housing and economic revitalization and comprehensive master planning

GARP 0106 INTRODUCTION TO ENVIRONMENTAL ANALYSIS (3) Introduces the interface of the human and natural environmental systems. Topics include air and water pollution, forest and wildlife preservation, risk assessments of floods and other hazards, urban climatology and various techniques of environmental assessment.

GARP 0200 GEOGRAPHY OF EUROPE (3) A regional geographic study of physical, economic, cultural and political patterns of Europe. Population patterns will be evaluated via sequent occupance studies. Assets and liabilities of individual states will be evaluated and discussed in an attempt to promote a better appreciation of the geographic structure of Europe.

GARP 0201 GEOGRAPHY OF AFRICA (3) A regional, physical and cultural geographic survey of Africa. A study of the distribution of land and people, physical environment, resources, settlement, and economic development. Special emphasis will be given to cultural elements. A geographic interpretation of the political and economic problems of emerging African States will be considered. Prerequisite: GARP 0101.

GARP 0202 GEOGRAPHY OF ANGLO-AMERICA (3) A physical and cultural survey of Anglo-America. A geographic interpretation of the settlement, resource development and problems of Anglo-America.

GARP 0210 CULTURAL GEOGRAPHY (3) An examination of the world's major geographic realms, focusing on characteristics like language, religion, population growth, and national development which give identity to these realms and often spawn conflict between realms.

GARP 0212 POLITICAL GEOGRAPHY (3) International disputes over boundaries and resources, including internal conflicts over water rights; the Law of the sea; political manipulation of space (e.g., Gerrymandering, "redlining," redistricting, etc.); electoral politics and geographic expression of voting patterns on a national, regional, state and urban level.

GARP 0213 TRAVEL AND TOURISM (3) Surveys major world tourist areas, the role of the physical environment in tourism and recreation, trip planning, travel agency operations and recreational planning.

GARP 0214 BEHAVIORAL GEOGRAPHY (3) Behavioral geography focuses on the relationship (or interaction) between the geographic environment and human spatial behavior. Some major topics of the course include: how one's mental images of the environment influence spatial behavior; cognitive mapping, a study of human orientation in geographic space; preferences or evaluations of certain types of climates or landscapes; models of spatial decision making: e.g., migration decisions, human versus environment studies, hazard perception, personal space, and the affective bond between people and places. Prerequisite: sophomore standing.

GARP 0215 ECONOMIC GEOGRAPHY (3) An analysis of basic economic activities and the ways in which environmental factors affect them. Major emphasis is given to the differences between economies of abundance and economies of scarcity, with special emphasis on present world resource problems. This course may be taken as part of the requirements for Economic majors with the permission of both departments.

GARP 0216 URBAN GEOGRAPHY (3) A study of the urban setting through a geographical analysis of its social, economic, demographic, political and environmental problems. The structure of the course will allow the student to conduct independent research in areas where his/her main interests lie. Independent research will be prefaced with a short history of the origin, growth development and spread of urbanism. Prerequisite: permission of instructor.

GARP 0217 GLOBAL ISSUES OF THE FUTURE (3) Addresses a variety of conditions, problematical issues, and potential solutions confronting global society as we close in on the 21st century. Specific topics to be discussed include: future shock, the consequences of a "shrinking" world, urbanization and world cities, trans-national corporations, alternative and exotic energy sources, environmental quality, resource scarcities, geopolitical developments, space control and colonization, and emergent life-styles. Prerequisite: Sophomore standing.

GARP 0218 RECREATION GEOGRAPHY (3) An introduction to the patterns of provision, use and management of recreation resources. Primary focus is on outdoor public recreation resources. Major topics include spatial analysis of physical setting, development of public needs, government policies, site management, economic and social concepts which impact on outdoor recreation planning. Special emphasis will be placed on the recreational resources of the New England region. Prerequisite: Sophomore status.

GARP 0219 LAND USE AND RESOURCE PLANNING (3) An analysis of land use within the urban area and a historical perspective on land use in America from colonial times to the present. Part two is devoted an in-field inventory of present day patterns of land use in a local urban area. The concluding segment of the course will involve analysis of the land use inventories to determine areas of conflicting land uses and to offer solutions to resolve these conflicts. Prerequisite: GARP 0102.

GARP 0220 LANDFORM EVALUATION FOR PLANNERS (3) This course provides students with a basic understanding of the physical setting in which planning is accomplished. The principles of landform analysis are intensively studied. Case studies involving natural hazards will be presented. Extensive use of maps. Prerequisite: GARP 0102.

GARP 0225 LEGAL ISSUES IN ZONING AND PLANNING (3) This course provides an overview of the land use/law field by introducing the student to the highlights of the history of zoning, and the impacts of courts case law on land use development decisions. The student will learn how to interpret and prepare land use court case review. Specific topics of the course include: how constitutional law governs land use decision making; the impacts of police power, eminent domain, and aesthetic controls on planning practice; and the effects of exclusionary practices on zoning districts. Prerequisites: GARP 0105, GARP 0106.

GARP 0230 METEOROLOGY (3) A nonmathematical introduction to weather science. Students are introduced to the basic elements of weather: earth-sun relations, temperature, winds and atmospheric pressure, humidity and precipitation, air masses, fronts, cyclogenesis, weather forecasting and storms. Students are also acquainted with the use of weather instruments.
GARP 0235 GEOMORPHOLOGY (3) An analysis of various processes of landform development, with emphasis on the delimitation of landform regions. Prerequisite: GARP 0102.

GARP 0236 ENVIRONMENTAL ANALYSIS II (3) Provides an advanced treatment of the problems created by the interfacing of natural and human systems in the environment. Special emphasis will be placed on problems unique to the New England context, including air and water pollution, waste management and the development of New England coastal areas. Prerequisite: GARP 0106.

GARP 0238 ENVIRONMENTAL IMPACT ANALYSIS (3) This course covers the geographic, social and economic impact of land use projects on the natural environment. Students are taught how to determine the baseline inventory of environmental components and how to predict the impact of development on the environment. Topics include the legislative history, review criteria and analysis of Environmental Impact Statements (EIS). Students gain practical experience with EIS's through case study approaches and preparation of evaluation assessments. Prerequisite: GARP 0106.

GARP 0242 COMPUTER MAPPING (3) Student is introduced to the use of computer in automatic mapping operations, including the printing, plotting and color display devices. Student also learns map digitizing processes. No computer programming knowledge is required for the course.

GARP 0243 INTRODUCTION TO REMOTE SENSING (3) An introduction to the application of remote sensing techniques for the inventory and analysis of earth resources. Included are the treatments of exotic sensors, electromagnetic energy physics and data processing for digital classification techniques. Prerequisite: GARP 0102.

GARP 0305 REGIONAL GEOGRAPHY OF NEW ENGLAND (3) A study of the various physical features of New England: forms, climate, soil and vegetation, with an emphasis on natural resources and manufacturing.

GARP 0308 CULTURAL GEOGRAPHY OF EUROPE (3-6) A variable credit course for those students doing cultural geography fieldwork in Europe.

GARP 0314 TRANSPORTATION GEOGRAPHY (3) Deals with the evolution, significance, and underlying geographic principles of transportation, the theoretical bases of interaction, and the techniques of network analysis. The format of the course will allow the student to conduct independent research in the areas of interest. A significant portion of the course will introduce the student to computer-assisted techniques for transportation system analysis, although no student experience with computer operation is assumed. Prerequisite: GARP 0101.

GARP 0315 SITE LOCATION ANALYSIS (3) An introduction to the geography of locational analysis. Theories and methods of site locational analysis are introduced. Students are presented with case studies involving the best locations for various types of facilities, with special emphasis on business site location.

GARP 0316 AMERICAN SUBURBANIZATION (3) Examines post WWII expansion of American suburbs. The course traces the rise of suburbs as a dominant feature on the American metropolitan landscape and analyzes the political, economic, social, and cultural ramifications of suburban development on American city life. Prerequisite: GARP 0105.

GARP 0317 SPECIAL TOPICS IN GEOGRAPHY AND PLANNING (3) An in-depth study of a limited or specialized area within Geography and Regional Planning. Course content will vary according to the area of specialization of the instructor and the interests of the students. May be repeated if course content differs.

GARP 0320 INTERMEDIATE METEOROLOGY (3) Intermediate meteorology focuses on more advanced topics in meteorology with major focus on synoptic and mesocale meteorology. Emphasis on weather forecasting techniques including surface and upper air charts, use of numerical (computer) forecasting models (e. g. Limited Fine Mesh, etc.), analysis of radar and satellite imagery and severe weather analysis. Prerequisites: GARP 0230, junior or senior standing, and background in algebra.

GARP 0330 CLIMATOLOGY (3) A study of the processes and patterns of the world's climates. After a review of basic meteorology, the Koppen and Thorthwaite classification systems are discussed. The final portion of the course investigates applied climatology which includes: human biometeorology (climate and humans), agriculture climatology, climates past and future, and the effect of climate on transportation, architecture, business and the construction industry. Prerequisite: GARP 0230.

GARP 0331 SEVERE AND UNUSUAL WEATHER (3) Introduces students to the meteorological conditions associated with the formation of severe weather conditions, and examines the impact of hostile weather on human activities. Lectures focus on the Jet Stream and its role in the genesis of cyclones, blizzards, severe thunderstorms, lightning, hail, tornadoes, hurricanes, floods, droughts, cold and heat waves and bizarre weather phenomena such as dust devils, Chinooks, Haboobs, Santa Anas and mountain-adoes. Prerequisite: GARP 0102 or GARP 0230.

GARP 0340 DATA COLLECTION AND ANALYSIS (3) Introduces the collection of data in social research and the analysis of data using statistical computer software. Computer exercises deal with descriptive and multi-variate statistics, including measures of dispersion and central tendency, frequency counts, cross tabulations, chi-square and measures of association, t-tests, and correlation and regression. No prior computer knowledge is assumed. Prerequisite: Junior or senior status.

GARP 0342 ADVANCED COMPUTER MAPPING (3) Deals with the production of maps and graphics at a more advanced level. Particular attention given to a computer mapping packages that have three-dimensional capabilities. Prerequisite: GARP 0242.

GARP 0343 ADVANCED REMOTE SENSING (3) An advanced approach which provides students with an introduction to the application of remote sensing techniques for the inventory analysis of earth resources. Included are treatments of exotic sensors, electromagnetic energy physics and data processing for digital classification techniques. Prerequisites: GARP 0102 and GARP 0243.

GARP 0344 GEOGRAPHIC INFORMATION SYSTEMS (3) A geographic information system (GIS) is designed to accept, organize, statistically analyze, and display diverse types of spatial information that are digitally referenced to a common coordinate system. Included are steps for socio-economic and physical data acquisition, encoding, management, analyses and graphic display. Prerequisites: GARP 0243 and junior or senior standing or permission of instructor.

GARP 0345 GEOGRAPHY SKILLS AND THEMES FOR TEACHERS (3) This course updates basic geographic skills of teachers. The geographic themes of location, place, human-environmental interactions, movement, and regions are introduced, discussed and demonstrated. Emphasis is placed upon techniques for teaching concepts of spatial analysis. Prerequisite: GARP 0101 or permission of instructor.

GARP 0346 QUANTITATIVE METHODS (3) Introduces students to a variety of statistical methods used in planning research. Classwork includes both lectures and PC-based computer analysis. Topics include measurement levels, frequency distributions, crosstabulations, chi-square, t-tests, regression, and correlation. Assumes no prior computer use. Prerequisite: Sophomore status.

GARP 0350 INTERNSHIP IN REGIONAL AND ENVIRONMENTAL PLANNING (3-12) Students must apply for an internship to the Coordinator of Regional Planning one semester in advance of the one during which he/she will be scheduled to do the internship. Students who meet the criteria for internship status are matched with available options. Special interests and requirements of the skills of the internship position are taken into consideration in the assignment.

GARP 0351 CITIES OF THE THIRD WORLD (3) Discussion of growth and structure of selected third world cities as illustrations of process of urbanization. Specific third world regions will be studied around five basic themes: (1) evolution of urban systems and settlements; (2) internal structure and models of cities; (3) major distinctive or representative centers; (4) linkages of the region to the world system; (5) contemporary major urban problems and solutions.

GARP 0360 FIELD METHODS (3) Explores the basic methods used to make physical and socio-cultural observations or measurements in a spatial setting. Off-campus field work is required. Specific skills developed include map reading, aerial photographic interpretation, field sketch mapping, compass traverses, sampling, questionnaire design, interviewing, analysis and reporting. Prerequisites: GARP 0102, junior or senior standing.

GARP 0391 SEMINAR IN REGIONAL AND ENVIRONMENTAL PLANNING (3) Focus of the seminar is on the formulation and development of a plan which addresses a particular land use or growth management problem. Readings and discussion involve aspects of the master planning process. Projects involve environmental pollution impact studies. Independent research is conducted by collecting and analyzing data and recommending alternatives and solutions to the planning problem. Prerequisite: GARP 0105, GARP 0106, and GARP 0340 or GARP 0346; or the permission of instructor.

GARP 0399 INDEPENDENT STUDY (3-6) A course by special arrangement in a specific theoretical or applied area in Geography or Regional Planning. A student may be assigned a series of readings and discussions, or and applied project in an area of environmental quality control, land preservation or design techniques.

HISTORY

The major in History is structured to provide undergraduates with an understanding of the past as well as to teach skills enabling them to attack any sort of problem, to ask appropriate questions, to assemble valid evidence, and to arrive at rational conclusions. Given such training, the student majoring in History is prepared for graduate work in history or law, or to pursue careers in international business, communications, teaching, government service, museum administration, social work, and library science. The department also has a fully-accredited teacher-training program, administered in conjunction with the Department of Education.

An integral part of the department is the Institute for Massachusetts Studies, which publishes the Historical Journal of Massachusetts as well as books related to the history and culture of the region. The Journal draws important contributors and reviewers nationally, and has a circulation of well over one thousand, including university and college libraries in the United States and in several foreign countries. Students serve on a board of student editors, and outstanding student research papers are occasionally published.

The campus supports an active chapter of Phi Alpha Theta, the National Honor Society in History, and qualified students are inducted into the society in the junior or senior year.

A number of internship opportunities allied to the study of American History are available. These include museum work at Old Sturbridge Village, the Holyoke Museum, the Basketball Hall of Fame, and the Connecticut Valley Historical Museum, and archival and library work at the Springfield City Library and the John Fitzgerald Kennedy Library in Boston.

HISTORY MAJOR REQUIREMENTS

I. Major core: 9 credits in 0100-level History courses.

II. Major advanced program: In consultation with a department faculty adviser, students will define a field of concentration within one of three areas: European History, American History, or Non-Western (Africa, Asia, Latin America) History. The concentration will consist of 18 credits in one of these three areas and will be supplemented by 12 credits in a different, but chronologically or topically related field, chosen from the two remaining areas.

Distribution of courses by level, concentration and allied area:

CORE FOR MAJOR (9 credits)
- 0100-level courses (9)
  - HIST 0101 Western Experience I (3)
  - HIST 0102 Western Experience II (3)
  - HIST 0130 United States History & Government (3)

FIELD OF CONCENTRATION (18 credits)
- Twelve credits in 0200-level courses (12)
- Six credits in 0300-level courses (6)

ALLIED FIELD (12 credits)
- Nine credits in 0200-level courses (9)
- Three credits in 0300-level courses (3)

Total credits in History Major 39

Descriptions of fields within the three areas noted above may be obtained from the History Department. Students interested in teacher certification MUST meet with the program director, to ensure that they enroll in courses which meet the requirements of that program.

CERTIFICATION FOR TEACHER OF HISTORY (5-9, 9-12)

Students wishing to be certified to teach History at the Middle or High School levels must complete the following:
- All courses for the History major
- The Professional Sequence for Middle and Secondary Specialist, described in the Education Department listings
- HIST 0298 (HIST 0299) Methods of Teaching History: Middle (Secondary) School

NOTE: A MINIMUM CUM OF 2.8 IS REQUIRED FOR A PRACTICUM PLACEMENT.

COURSES

EUROPEAN

HIST 0101 WESTERN EXPERIENCE I (3) A survey of pre-modern (pre-1500 A.D.) Western civilizations. Major topics include: the "classical" societies of ancient Greece and Rome, the rise of Christian civilization in Europe, and the nature of medieval society and culture.

HIST 0102 WESTERN EXPERIENCE II (3) A multi-disciplinary approach to understanding the nature of modern (post-1500 A.D.) European civilization. Through lectures and discussions, students will explore demographic, sociological, political, and cultural elements of Europe's evolution from traditional to modern modes of activity and thought.

HIST 0201 MEDIEVAL EUROPE (3) The institutional, economic, and intellectual history of Europe as it emerged from its Roman and Germanic antecedents and developed into a distinctly western civilization. Emphasis will be placed upon the growth of medieval governmental institutions and the great intellectual achievement of the high middle ages.

HIST 0203 RENAISSANCE AND REFORMATION EUROPE (3) An examination of the "waning of the Middle Ages" and the "Dawn of a new era" in the light of recent historical research. The physical and psychological impact of the Black Death, the fascination with the classical past, the religious revolution and the possibility of individual creativity will be considered in the context of the scientific, social, and political assumptions of Europeans from the 14th through the 16th centuries.

HIST 0205 17th CENTURY EUROPE, 1559-1715 (3) The 17th century began with political chaos, economic dislocation, religious passion, and endemic violence. The century ended with political stability, economic viability, toleration, and pervasive skepticism. The course will examine the nature of these changes, with particular attention to the physical and psychological impact of 17th century warfare, the nature of scientific inquiry, and the reordering of 17th century monarchies.

HIST 0207 18th CENTURY EUROPE (3) An examination of the development of this great age which launched Europe on the path of Revolution. Important political and intellectual antecedents will be discussed. This will be followed by a thorough study of the ideas, institutions and society of 18th century Europe, culminating in the French Revolution of 1789.

HIST 0209 19th CENTURY EUROPE (3) An examination of the effects of the combined forces of nationalism, revolution and the Industrial Revolution upon the fabric of European political, social, and economic institutions. Special consideration will be given to drives for national unity in Italy and Germany, and their effects upon the European balance of power prior to World War I.

HIST 0211 EUROPE SINCE 1919 (3) An examination of Europe's efforts to recover from the first World War, to work out the self-determination policy of the Versailles Treaty to survive the great depression, and to resolve the conflicts which precipitated World War II. The course will also examine the post-war problems of the United Nations, the Cold War, the end of Imperialism, the common market, and new regional pacts.

HIST 0216 THE FRENCH REVOLUTION (3) This course will deal with the upheaval that effectively destroyed the age-old European hierarchical society and laid the foundation for modern political systems. The problem of the impact of ideas, the role of economic dislocation and political dysfunction as portents of revolution will be considered. Use will be made of the newer research into demography and crowd psychology as well as of the traditional literary and historical sources.

HIST 0223 WORLD WAR I: The "Real" War (3) War was expected and planned for in turn-of-the-century Europe. Almost no one, however, was prepared for a war so obscene by nature and in a dimension unparalleled in the previous history of modern Europe. An entire generation of young men and "of the best among them" of each of the major powers of Europe perished in the "Great" War as it is called by Europeans. The course will treat the causes, the course and the nature of the war. The impact of the war on contemporaries will be measured through biographical, autobiographical and other literary sources written by participants in, or close observers of, the war.

HIST 0239 HISTORY OF RUSSIA I (3) A survey of Russian civilization from its origins to the mid-nineteenth century. Major themes include: the rise of autocracy, serfdom, and empire, as well as the nature and achievements of Russian culture.

HIST 0240 HISTORY OF RUSSIA II (3) A survey of modern Russian civilization since 1881. Major themes include: the origins and consequences of the Russian revolutions, the nature of the Soviet system, the achievements of Russian and Soviet culture, and the US-USSR contest for world empire.

HIST 0300 PROBLEMS IN EUROPEAN HISTORY (3) Significant themes or issues in the evolving process of European Civilization examined in detail. May be taken three times for credit.

HIST 0340 RUSSIA IN REVOLUTION 1900-1930 (3) A study in detail of the revolutionary experience of Russia: three "revolutions" and a civil war within twenty years. The student will study the causes and effects of violent change, the origins for the Soviet state (theory and practice) and the terminology and method of Soviet historiography.

AMERICAN

HIST 0130 UNITED STATES HISTORY AND GOVERNMENT (3) A survey of the United States history tracing the growth of American institutions and interpreting periods and events of important national significance. Consideration will be given to the causes and results of wars, presidential administrations, great issues and changes in governmental attitudes.

HIST 0241 RESPONSE TO INDUSTRIALISM, 1877-1932 (3) Examines the rise of American industrialization and urbanization, the development of national movements of Progressive reform and labor organization, as well as the increasing importance of American involvement in world affairs. Prerequisite: HIST 0130.

HIST 0243 UNITED STATES HISTORY, 1932-PRESENT (3) Will provide the student with knowledge of the continuing evolution of the American welfare state, federal fiscal crises, the impact of technology upon the rural and urban environment, and the impact of science and technology on social and economic conditions. Prerequisite: HIST 0130.

HIST 0251 AMERICAN COLONIAL HISTORY 1607-1776 (3) The political, economic, and social development of the American colonies from the age of exploration to the Declaration of Independence. Topics include exploration, early settlement, and the development of the colonies through the coming of the American Revolution.

HIST 0255 THE AGE OF JEFFERSON AND JACKSON, 1776-1845 (3) A study of the American Revolution and its aftermath including the "critical period" and the drafting of the United States Constitution. Topics include the emergence of political parties, Jeffersonian and Jacksonian democracy, expansion and the War of 1812, and the emergence of sectionalism.

HIST 0257 THE CIVIL WAR AND RECONSTRUCTION, 1845-1877 (3) The causes of the War, the conduct of the war; the attempt at reconstruction in its political, social, and economic aspects; national reunification.

HIST 0260 UNITED STATES HISTORY 1877-1932 (3) An analytical portrayal of the American nation from the post-Reconstruction period through the beginnings of the Great Depression. Themes of study will include American industrialization, urbanization, Progressivism, and reform, economic development, and the increasingly important role of American involvement in world affairs.

HIST 0266 U.S. SOCIAL AND CULTURAL HISTORY I (3) An examination of American social and cultural developments from the early colonization to the Civil War. Topics to be studied include the religious history of colonial America, changing social and family life, entertainment, the impact of democracy and nationalism on American life, and the workers, north and south.

HIST 0267 U.S. SOCIAL AND CULTURAL HISTORY II (3) An examination of American social and cultural developments from the Civil War to the present, with projections for the future. Topics to be studied include industrialization, urbanization, immigration, changes in family and social relationships, religion, and a focus on women, Blacks, Indians, and minorities.

HIST 0268 THE CITY IN AMERICAN HISTORY (3) A study of the American city from colonial times to 1919. The course examines the impact of urbanization upon social and institutional structures. Topics include the rise of the city, transportation revolution, the impact of technology, industrialization, immigration, physical growth patterns, social mobility, reform, and the rise of city planning.

HIST 0269 THE CONTEMPORARY AMERICAN CITY (3) The American City since 1919 as studied through the forces that have shaped the contemporary city: the automobile, the highway revolution, metropolitan and megalopolis forms, ghettos, suburbanization, and city and regional planning. Particular emphasis will be given to the nationalization of the American City.

HIST 0270 PROBLEMS IN AMERICAN HISTORY (3) This course will offer readings and/or research in a specific prearranged topic in American history. Examples of the topics are sickness and health in American History, the Immigrant Experience, the Depression, etc. This course may be taken three times for credit.

HIST 0274 MASSACHUSETTS HISTORY TO 1820 (3) An examination of the history and society of Massachusetts from the period before the arrival of Whites to 1820. Major topics to be covered include the Puritan experience, Indian-White relationships, the Revolutionary era, Massachusetts under the Articles of Confederation, the early development of industrialization, and the War of 1812 and its aftermath.

HIST 0275 MASSACHUSETTS HISTORY SINCE 1820 (3) An examination of the history and society of Massachusetts from the early 19th century to the present time. Major topics to be covered include immigration and its impact on Massachusetts, industrialization, urbanization and suburbanization, the cultural flowering of the 19th century, the Civil War, the changing environment and economy, and the impact of technological developments in the post-World War II period.

HIST 0350 SENIOR SEMINAR: EARLY AMERICAN HISTORY (3) An in-depth research and/or reading experience in early American history, building upon the student's background and interests. The course will include discussion, criticism by classmates, analysis by the instructor. Prerequisites: two 0200-level courses in the field or equivalent.

HIST 0355 SENIOR SEMINAR: 19th CENTURY AMERICAN HISTORY (3) An in-depth research and/or reading experience in 19th century American history, building upon the student's background and interests. The course will include discussion, criticism by classmates, and analysis by the instructor. Prerequisites: two 0200-level courses in the field or the equivalent.

HIST 0360 SENIOR SEMINAR: RECENT AMERICAN HISTORY (3) An in-depth research and/or reading experience in recent American history, building upon the student's background and interests. The course will include discussion, criticism by classmates, and analysis by the instructor. Prerequisites: two 200-level courses in the field or equivalent.

HIST 0361 INTERNSHIPS IN AMERICAN HISTORY (1-15) A program centering on study and internship in various career fields allied to the study of American History. These may include museum work, historical restoration projects, local archaeology, archival work, and historical editing (editing is limited to 1 credit per semester, a maximum of 3 credits may be earned). While gaining practical work experience through the internship program, the student will also be undertaking a directed research project associated with the area of internship. Prerequisite: permission of director of internships.

HIST 0365 THE HISTORY OF CITY AND REGIONAL PLANNING (3) The development of the urban planning profession in America is studied from the 1890's to date. The course will analyze planners' responses to rising problems of land use, zoning, housing, suburbanization, environmental problems, highways, strips, malls and the larger requirements of metropolitan and regional need created by the evolution of urban form and structure.

NON-WESTERN

HIST 0150 INTRODUCTION TO NON-WESTERN WORLD (3) Engages students in learning about race, ethnicity, class, gender, religion, politics, economics, shaping the history of Asia, the Middle East, and Africa. Includes study of the faiths of Asia, the Middle East and Africa, colonialism, nationalism, the rise of the modern nation-state. Analyzes historical roots of current political debates and crises, as well as historical roots of cooperation and collaboration among and between the diverse peoples of the regions addressed shaping western and world civilizations. In any given semester, the course will focus on two of the three areas addressed.

HIST 0282 TRADITIONAL AFRICA TO 1807 (3) The history of Africa is to be surveyed from prehistoric times to 1807. Topics covered will include an introduction to the geography, peoples and culture of the continent. More specialized topics will include studies of prehistoric Africa, Africa and the classical world, formation and history of sudanic and savanna states, Bantu migrations, African states of the east coast, initial European contacts with continent, the slave trade and the beginnings of exploration.

HIST 0283 CONTEMPORARY AFRICAN HISTORY (3) The second half of the study of the history of Africa will be devoted to a survey of the period from the English and slave trade law of 1807 to the present. Topics covered will include the slave trade of the 19th century and its suppression, exploration of the continent, the impact of imperialism, the formation and administration of colonies, and the nationalist movements. There will be further specialized topics concerning modern Africa such as economic and political development, confrontation between the races, Africa in world affairs, and studies in depth of individual nations.

HIST 0286 TRADITIONAL FAR EAST (3) A study of the historical and cultural foundations of China, Korea, India, and Japan including their dynastic developments until the eighteenth century.

HIST 0287 CONTEMPORARY FAR EAST (3) Western contacts with Asia beginning with the eighteenth century, emphasizing the Chinese world view in the History of Asia, including the emergence of Modern China and Japan.

HIST 0290 PROBLEMS IN NON-WESTERN HISTORY (3) These courses are designed to focus the attention of the student on a specific problem within the scope of historical study the fields of Africa, Asia, or Latin America. The problems will be of contemporary interest; and they will include intensive research, readings, class discussions, and the production of a scholarly paper. The field and problem(s) will be designated prior to the semester in which the course is offered. This course may be taken 3 times for credit.

HIST 0292 MODERN MIDDLE EAST (3) A survey of the history of the Middle East from the First World War to the present, with special attention to the issues of conflicting nationalisms and change, as well as the significance of modern Islam.

HIST 0370 PROBLEMS IN AFRICAN HISTORY (3) Intensive guided research and presentations of written results in a scholarly manner on a major topic of historical interest in African studies. Topics such as nationalism, state formation and colonial institutions may be selected depending on research facilities and student interest. The major topic will be designated in advance of registration. The course may be taken three times for credit.

HIST 0373 MODERN LATIN AMERICA (3) An opportunity to study modern Latin America's struggle with elites, military and civilian juntas, regional pacts, and national security v. human rights since 1950. Lectures and directed readings will provide opportunities for in-depth special interest research and study.

HIST 0375 UNITED STATES LATIN AMERICAN RELATIONS (3) The course probes the Latin American response to questions of U.S. interference and influence of various types, and it will also examine the snared goals of the two areas. Specific examples will be discussed, e.g., the Cuban Revolution, the Panama Canal Treaties, Multinational corporations, United States aid and development projects, and Latin American relations with the non-aligned world.

GENERAL

HIST 0298 METHODS OF TEACHING HISTORY: MIDDLE SCHOOL (3) A practical experience for students planning a career as a middle school history teacher. This course will cover a variety of topics, including the development of goals and objectives, planning, questioning, inquiry teaching, reading and writing skills, the use of media as a teaching tool, simulation activities, and more. This course should be taken the semester prior to enrolling in the Practicum. Prerequisite: 36 hours in history and completion of all education courses.

HIST 0299 METHODS OF TEACHING HISTORY: SECONDARY (3) A practical experience for students planning a career as a secondary school history teacher. This course will cover a variety of topics, including the development of goals and objectives, planning, questioning, inquiry teaching, reading and writing skills, the use of media as a teaching tool, simulation activities, and more. This course should be taken the semester prior to enrolling in the Practicum.

HIST 0385 PSYCHOHISTORY (3) To explore the possible relationships between psychoanalytical theory, biography, and historical movements. An examination and evaluation of some of the works on psychohistory and psychobiography will be included. Theoretical questions concerning the relationships between psychobiology, psychoanalytical theory, and biographical traits will be viewed.

HIST 0399 INDEPENDENT STUDY I, II, III (3) Independent study consists of directed reading and research on an historical subject agreed upon by the student and instructor and approved by the Chair of the Department. Arrangements must be made with the instructor and Chair before registering for this course.

LIBERAL STUDIES

Some students are unable to satisfy their educational goals within the existing structure of academic majors at Westfield State College for several possible reasons:

a) Broad career or educational goals which can only be met by interdisciplinary study.
b) Strong academic interests that cut across departmental lines.
c) A major unavailable in the field of primary interest.

For these students, the flexibility of the Liberal Studies major offers an opportunity to participate in designing an individual program of studies which creatively integrates three areas of interest.

In the major, the three areas of concentration are chosen by the student with the approval of the Program Chair. These areas are not to be chosen haphazardly, but should be interrelated when viewed in perspective with the student's educational goals. For example, a student interested in a career in television reporting might choose to combine English with Mass Communication and Political Science; another with a passion for ancient Greek culture might combine Philosophy with History and Mathematics or Art. The possibilities for goal-oriented integrated programs are numerous.

The Liberal Studies major is an excellent choice for students seeking certification in Elementary, Special, or Early Childhood Education. (All prospective teachers in Massachusetts are required to complete a liberal arts, sciences, or interdisciplinary major). Detailed recommendations for Liberal Studies/Education dual majors are available from either department.

Students are accepted into the program only with the consent of the program chair.

REQUIREMENTS FOR THE B.A. IN LIBERAL STUDIES

1. The College Common Core.

2. The Major, consisting of a primary area of concentration, 18 hours; a secondary area of concentration, 15 hours; and a third area of concentration, 12 hours, for a total of 45 hours.

3. Electives (sufficient credits to reach the 120 required for graduation).

REGULATIONS

1. The three areas of concentration may be selected from specific departments or from coherent groups of courses (e. g., Women's Studies, Multicultural and Ethnic Studies).

2. Within each area of concentration, the selection of courses should not be random, but should reflect a coherent pattern designed by the student and approved by the Program Chair.

3. Students are expected to choose areas of concentration which are intellectually complementary.

4. Only two introductory courses (normally courses in the 0100 number sequence) may be taken in the major program.

5. Most Liberal Studies programs qualify the student to receive the Bachelor of Arts degree. The Bachelor of Science in Liberal Studies is granted when two of the three areas of concentration are chosen from the departments of Business Management, Computer Science, or Criminal Justice.

6. For students majoring in both Liberal Studies and Education, one of the concentration areas can be an Education component comprised of courses taken separately from the student's certification program.

7. Coursework applied to the Liberal Studies major may not also be used to fulfill the requirements of a second major or to earn a minor.

REQUIREMENTS FOR THE B.S. IN LIBERAL STUDIES

The B.S. is designed to be an intellectually coherent interdisciplinary concentration providing study in two professional disciplines as well as a related liberal arts area.

The credit requirements are the same as those listed above for the B. A. in Liberal Studies.

For the B. S. degree, two of the three concentrations are chosen from the departments of Management, Computer Science and Criminal Justice.

The third area of concentration may be selected from other departments or from approved academic programs such as Women's Studies or Multicultural and Ethnic Studies.

LIBRARY STUDIES

COURSES

LIBR 0101 INFORMATION UNLIMITED: DEMYSTIFYING LIBRARY RESOURCES (1) Provides preparation for courses requiring library research and presents the library as a tool for life-long learning. Students will learn how to develop and apply effective strategies for obtaining information through the evaluation and use of library and external resources in multiple formats including print and non-print indexes, on-line library catalogs, and the Internet. Hands-on projects will provide the framework for developing information literacy skills by defining, analyzing and implementing effective research strategies. The final project will be a process-oriented, annotated bibliography.

MATHEMATICS

Mathematics is a subject with a history which stretches for thousands of years. It has been a major cultural force in Western civilization, serving as the foundation for scientific reasoning and forming the core of the major theories of physical science, as well as determining the direction and content of much philosophic thought. It has supplied substance to economic and political theories, has fashioned major painting, musical, architectural, and literary styles, has fathered our logic, and has furnished some of the best answers we have to fundamental questions about the nature of man and his universe.

Since Mathematics can be studied both as a pure discipline and as an applied discipline, the Department of Mathematics offers a major in mathematics, providing a foundation of pure and applied mathematics (suitable, among other things, for the preparation of high school teachers of mathematics). In addition, we provide courses which satisfy the college Common Core. Seventy percent of the faculty in this department hold terminal degrees in their field.

Students who major in Mathematics may wish to consider careers in actuarial science, secondary education, or further graduate work in mathematics. The study of mathematical sciences also provides a strong foundation for further professional education in a variety of areas.

Also, our Actuarial Preparatory Program recommends a sequence of courses in mathematics, economics, and management which are designed to prepare students for successful completion of the first three actuarial examinations.

REQUIREMENTS FOR MATHEMATICS MAJORS

Requirements (36 credits)

MATH 0105 Calculus I	(4)
MATH 0106 Calculus II	(4)
MATH 0118 Linear Algebra	(3)
MATH 0201 Calculus III	(4)
Seven (7) additional 0300-level mathematics courses	

CERTIFICATION FOR TEACHER OF MATHEMATICS (5-9, 9-12)

NOTE: A MINIMUM CUM OF 2.8 IS REQUIRED FOR A PRACTICUM PLACEMENT

Undergraduate mathematics majors who wish to be certified to teach Mathematics at the Middle or High School levels must:

- Choose their math major electives to satisfy the mandated teacher certification competencies
- Complete the courses that satisfy certification competencies with no grade lower than C
- Complete the Professional Sequence for Middle and Secondary Specialist, described in the Education Department listings
- Take MATH 0337 Foundations of Secondary and Middle School Mathematics

MATHEMATICS MINOR

The minor in mathematics consists of 18 hours of mathematics courses including:

- MATH 0105 Calculus I
- MATH 0106 Calculus II
- No more than two (2) of the following:
  - MATH 0104 Precalculus
  - MATH 0110 Math Explorations
  - MATH 0111 Math Applications
  - MATH 0115 Math for Business and Social Science
  - MATH 0150 Foundations/Sets and Logic

Note: MATH 0103 College Algebra may not be included in the minor.

COURSES

MATH 0103 COLLEGE ALGEBRA (3) First of a two- course sequence designed to prepare students for Calculus. Topics include the real number system; inequalities and absolute values: introduction to functions; exponents; linear, polynomial and rational expressions; introduction to graphing: exponential and logarithmic functions. Prerequisite: High School Algebra I.

MATH 0104 PRECALCULUS (3) Topics covered include an in-depth investigation of functions; graphing; exponential and logarithmic functions; and trigonometry. Prerequisite: High School Algebra II or MATH 0103.

MATH 0105 CALCULUS I (4) A standard first semester course in calculus. Topics include limits and continuity, the derivative and its properties, applications of differentiation, introduction to anti-differentiation, the definite integrals, and the Fundamental Theorem of Calculus. Prerequisites: Four years of High School Math, including Algebra I and II and Geometry or MATH 0104.

MATH 0106 CALCULUS II (4) A continuation of Calculus I. Topics include techniques of integration, applications of the integral, series and sequences, L'Hôpital's Rule, approximation of functions. Prerequisite: MATH 0105 or equivalent.

MATH 0108 ELEMENTARY STATISTICS (3) An introduction to basic concepts and techniques of statistics for students needing skills for research techniques in education, business, and the physical, life, and social sciences, or simply to understand the mass of statistical information in modern life. Topics include: graphical techniques such as histograms or box plots; measures of location and spread; scatter plots and correlation; sampling and sampling distributions; estimation and statistical inference (confidence intervals and/or hypothesis testing). Prerequisite: High School Algebra II or MATH 0103.

MATH 0110 MATHEMATICAL EXPLORATIONS (3) An introductory course designed to provide the liberal arts major with an opportunity to develop a broader appreciation of mathematics by exploring ways in which the artistic, aesthetic, intellectual, and humanistic aspects of mathematics are as important as its utility. Topics may include: mathematical reasoning, the infinite, topology, chaos and fractals, symmetry, elementary number theory, modern geometry, and the history of mathematics. Prerequisite: High School Algebra II or MATH 0103.

MATH 0111 MATHEMATICAL APPLICATIONS (3) An introductory course designed to provide the liberal arts major with opportunities to investigate ways in which mathematics is used to solve real world problems in a variety of disciplines. Applications may include such topics as voting schemes, fair division, networks, scheduling, finance, probability and statistics. Prerequisite: High School Algebra II or MATH 0103.

MATH 0115 MATHEMATICS FOR BUSINESS AND SOCIAL SCIENCES (3) An introduction to algebraic modeling, with an emphasis on applications in business and the social sciences. Topics include: using algebraic models to describe the relationship between variables, using graphs to visualize models, and choosing and interpreting various models. Calculus is introduced and is used as a tool for studying the structure of algebraic models. Prerequisite: High School Algebra II or MATH 0103.

MATH 0116 INTRODUCTION TO MATHEMATICAL SYSTEMS (3) Intended as a first course for students planning to major in mathematics. Emphasis in the course is on the structure of mathematical systems and methods of proof. Topics to be considered: logic and the nature of proof, sets, number systems, relations and functions, mathematical systems including groups and fields. Prerequisite: High School Algebra, Geometry and Trigonometry.

MATH 0118 LINEAR ALGEBRA (3) Study of fundamental concepts of linear algebra over the field of real numbers. Topics include solution of simultaneous linear equations, vector spaces, linear independence and dependence, basis, subspaces, linear transformations and matrices and their properties. Prerequisite: MATH 0104 or equivalent.

MATH 0127 CALCULUS WITH APPLICATIONS FOR BUSINESS AND SOCIAL SCIENCE (3) A study of differential calculus with an emphasis to business and economics. Topics will include: a review of algebra and functions, mathematical modeling, limits and differentiation, techniques of differentiation, max/min problems, graphing, business application, approximation, implicit differentiation and related rates, exponential and logarithmic functions, and growth models in business and economics. Prerequisite: High School Algebra and Geometry or MATH 0104.

MATH 0150 FOUNDATIONS: MATHEMATICAL REASONING (3) An introductory course in the foundations of mathematics. Topics will include: finding, analyzing, and describing patterns; sets and classification; functions and relations; inductive and deductive reasoning; problem solving and logic. Students will develop a conceptual understanding of the course material in a learning environment that models the pedagogical foundations of the Massachusetts Curriculum Frameworks for Mathematics and the NCTM Standards. Prerequisite: High School Algebra II or MATH 0103.

MATH 0201 CALCULUS III (4) A continuation of Calculus II. Topics include vector functions and calculus of curves in space, differential calculus of multivariate functions, integral calculus of multivariate functions, polar, spherical and cylindrical coordinates, parametric equations, Cartesian coordinates, line and surface integrals. Prerequisite: MATH 0106 or equivalent.

MATH 0203 MATHEMATICS IN THE ELEMENTARY SCHOOL (3) Designed to reinforce the mathematical background and to enhance the effectiveness of the prospective elementary teacher. An integral part of the course is an investigation of the content, procedures, and materials of modern curricula for the elementary school. Prerequisite: MATH 0150.

MATH 0220 DISCRETE STRUCTURES (3) An introduction to discrete mathematical structures for Computer Science: discrete algebraic structures, algorithms and applications to structural programming and the analysis of algorithms; graphs, digraphs and applications to electrical and scheduling network; lattices, Boolean algebra and applications to switching theory. Prerequisite: CAIS 0120 and MATH 0118.

MATH 0237 MATHEMATICS TUTOR TRAINING SEMINAR (1) A training seminar for upper-class students involved with the Mathematics Peer Tutoring Program to meet the following three objectives: 1) presenting mathematics with understanding and flexibility; 2) recognizing, diagnosing, and remediating common math misconceptions, 3) becoming more sensitive to some of the affective issues arising both in tutoring relationships and for students struggling with mathematics. Prerequisites: MATH 0106, permission of instructor, and concurrent participation in the mathematics tutoring program. May be elected only once for credit.

MATH 0251 FOUNDATIONS: GEOMETRY (3) The study of the foundations of Geometry and Mensuration. Topics will include topological, projective, and Euclidean properties in 2- and 3- space; the development of the concept of measure in 2- and 3- space; and the introduction of measurement formulas. Students will develop a conceptual understanding of the course material and will work with mathematics manipulatives. Prerequisite: MATH 0150 or equivalent.

MATH 0252 FOUNDATIONS: PROBABILITY AND STATISTICS (3) The study of the foundations of Probability and Statistics. Topics will include techniques for collecting, tabulating, and analyzing data, using probability principles, construction of histograms, hypothesis testing, and the formulation of inferences using principles of statistics. Students will develop a conceptual understanding of the course material and will work with mathematics manipulatives. Prerequisite: MATH 0150 or equivalent.

MATH 0253 FOUNDATIONS: NUMBER SYSTEMS (3) The study of the real number system and its subsets. Topics will include the structure and properties of the whole, integer, rational and real number systems and the application of four-function calculators to problem solving and estimation. Students will develop a conceptual understanding of the course material and will work with mathematics manipulatives. Prerequisite: MATH 0150 or equivalent.

MATH 0301 MODERN ABSTRACT ALGEBRA I (3) A study of groups, rings, integral domains and fields, with special emphasis on the real and complex fields. Prerequisite: MATH 0118.

MATH 0302 MODERN ABSTRACT ALGEBRA II (3) Polynomial rings, vector spaces, linear transformations, elementary theory of matrices and determinants. Prerequisite: MATH 0301.

MATH 0304 DIFFERENTIAL EQUATIONS (3) Geometric and physical meaning of differential equations. Theory and solution of first, second and higher order linear and non-linear differential equations. Initial and boundary value problems. Finite difference equations. Prerequisites: MATH 0201 and MATH 0118.

MATH 0306 MODERN GEOMETRY I (3) An integrated course consisting of intuitive, synthetic, and analytic approaches to Euclidean and other geometries. Topics will include axiomatic foundations, finite geometries, non-Euclidean geometries, and synthetic projective geometry. Prerequisite: MATH 0118.

MATH 0307 MODERN GEOMETRY II (3) Geometric and algebraic invariants, groups of transformations, topological, projective, affine and Euclidean transformations. Prerequisite: MATH 0306.

MATH 0308 INTRODUCTORY ANALYSIS (3) Topology of real numbers, Cauchy sequences, metric completeness, continuity, compactness, connectedness. Sequence and series and uniform convergence of infinite series. Derivatives and definite integrals. Prerequisite: MATH 0106.

MATH 0309 INTRODUCTORY TOPOLOGY (3) A simple, thorough survey of the elementary topics of point-set topology of the real line and plane topological spaces; metric spaces; mappings; connectedness; compactness. Prerequisite: MATH 0201, junior or senior status in the major or permission.

MATH 0311 THEORY OF NUMBERS (3) Properties of integers including congruences, primes and factorization, continued fractions, quadratic residues, linear diophantine equations and number theoretic functions. Prerequisite: junior or senior status in the major or permission.

MATH 0323 COMPLEX ANALYSIS (3) Algebra of complex numbers, analytic functions, Cauchy Riemann conditions, conformal mapping, line integrals, Cauchy integral formula, residue integration, Taylor and Laurent series. Prerequisite: MATH 0201.

MATH 0333 APPLIED STATISTICS AND EXPERIMENTAL DESIGN (3) A study of the application of computer programming to statistical procedures employed in empirical research and the interpretation of numerical results. Topics in statistics include: introduction to descriptive and inferential statistics, hypothesis testing, parametric and non-parametric tests (correlation, regression, the t-test, analysis of variance, and factor analysis). The underlying assumptions of several experimental designs will also be examined. Prerequisites: MATH 0108 or equivalent, and knowledge of at least one scientific programming language.

MATH 0334 OPERATIONS RESEARCH AND MODELING (3) A study of mathematical modeling and of the models of interest in operations research, which may include distribution problems, linear programming, the simplex method and applications. CPM, network problems, non-linear programming problems, Markov chains, queuing models, and simulation. Prerequisites: MATH 0118, MATH 0108, and knowledge of at least one programming language.

MATH 0335 INTRODUCTION TO NUMERICAL METHODS (3) Intended for majors in mathematics or computer science. Methods of finding approximate numerical solutions to mathematical problems are explored using a scientific computer programming language. Standard algorithms of numerical analysis will be chosen from: numerical integration, non-linear equations, computational probability, differential equations. Prerequisites: MATH 0106, MATH 0118 and knowledge of at least one scientific computer programming language.

MATH 0337 FOUNDATIONS OF SECONDARY AND MIDDLE SCHOOL MATHEMATICS (3) Designed to build upon student's mathematics background, relating students' mathematical knowledge to understanding and teaching the middle or secondary school mathematics curriculum. Topics to be considered are: geometry, algebra, basic skills, number theory, probability and statistics and the use of calculators and computers in the classroom. A thirty (30) hour field experience is a course requirement. Prerequisites: Junior or senior status in the major or permission.

MATH 0340 MATHEMATICAL STATISTICS I (3) Covers mathematical probability theory including: review of set theory, principles of counting, sample spaces and probability functions, random variables, joint probability functions, discrete distributions and continuous distributions. Prerequisite: MATH 0106.

MATH 0341 MATHEMATICAL STATISTICS II (3) A systematic treatment of theoretical mathematical statistics assuming preparation in post-calculus probability theory. Topics covered include estimation, hypothesis testing, linear models, non-parametric methods. Prerequisite: MATH 0340.

MATH 0351 FOUNDATIONS: MEASUREMENT (3) An inductive approach to the development of the elementary components and theory of measurement. Topics will include: commensurable and incommensurable measures; the introduction of methods of geometric construction of line segments equal to rational and irrational numbers; an examination of the relationships between the basic units of measure for length, surface, space, and mass; an exploration of maximum and minimum problems that arise from the relationships between length, surface area, and volume; the use of approximation techniques for the measurement of non-polygon figures, including the determination of volume and mass by displacement. Prerequisites: MATH 0251 and MATH 0253.

MATH 0360 CURRENT TRENDS IN MATHEMATICS AND MATHEMATICS EDUCATION (1-3) Students will work individually with a professor on a project or activity relating to current innovations in mathematics or mathematics education. Potential sources for study include: evaluation of innovative textual materials, trends in media and technology development, evaluation of software, development of laboratory materials, attendance at professional conferences, review and analysis of journal articles, and the presentation of reports on individual and institutional research activities. Course may be taken up to two times with the permission of the department chair. Prerequisite: Permission of instructor.

MATH 0398 INTERNSHIP IN MATHEMATICS (3-15) Internship in mathematics for full-time, upper level mathematics majors. Prerequisite: Junior or senior status and permission of department.

MATH 0399 INDEPENDENT STUDY (1-6) Independent study of topics in mathematics under careful faculty supervision. Intended for capable students to broaden their mathematics program or to gain depth in a particular area of interest. Prerequisite: permission of instructor and Department Chair.

MOVEMENT SCIENCE, SPORT AND LEISURE STUDIES

The Department of Movement Science, Sport and Leisure Studies offers a major in Movement Science leading to a Bachelor of Science degree. The department also offers a diverse selection of elective courses (theory and activity) designed to meet the needs and interests of today's students.

SCOPE OF THE MAJOR PROGRAM

The undergraduate major program prepares the student with a foundation in the movement sciences enabling the student to pursue several career alternatives and/or graduate study. In addition to the thirty (30) semester hours in major courses, Movement Science majors are required to complete a concentration in either Sports Medicine, Athletic Training, Health/Fitness, Physical Education Teaching Certification or Wilderness Leadership. All concentrations, Except Athletic Training, require that the student satisfactorily complete 18 credits of specified courses and an internship. In lieu of an internship, students may select two upper level courses offered by the department.

Students who select the Athletic Training Concentration are required to satisfactorily complete 27 credits of specified courses and a 6-credit clinical experience.

Majors may choose more than one of the five concentrations or may, under advisement, and in addition to one of the four concentrations offered, design an individual program in such areas as sports journalism, sports broadcasting, or sports management.

The Movement Science Department also offers a minor in Wilderness Leadership and an interdisciplinary minor in Commercial Recreation and Tourism with the departments of Economics and Management, and Geography and Regional Planning.

MAJOR PROGRAM REQUIREMENTS

All Movement Science Majors must complete the thirty (30) credits of courses specified below with a grade point average of 2.5 and at least one concentration offered by the department.

MAJOR CORE CLASSES

MOVP 0100 Introduction to Exercise Science	(3)
MOVP 0104 Freshman Seminar	(1)
MOVP 0105 Foundations of Movement Science I	(3)
MOVP 0106 Foundations of Movement Science II	(3)
BIOL 0237 Anatomy and Physiology I	(4)
BIOL 0239 Anatomy and Physiology II	(4)
MOVP 0202 Introduction to Motor Learning	(3)
MOVP 0203 Motor Development and Behavior	(3)
MOVP 0204 Analysis of Motion	(3)
MOVP 0205 Physiology of Exercise	(3)

CONCENTRATIONS

To be accepted for Advanced Standing to enter a concentration within the major, a student must attain a QPA of 2.5 in the major core area (30 credits). Once accepted into a concentration and in order to be accepted into an internship or clinical experience, a student must attain a QPA of 2.5 in the courses listed in the concentration. Placement in the Teaching Practicum requires a 2.8. Further, candidates for an internship, clinical experience, or teaching practicum must: 1) complete an application (available from advisor); 2) submit three (3) favorable recommendations from department faculty and two (2) favorable recommendations from supervising practitioners; 3) hold a current First Aid Certificate; 4) demonstrate student membership in a professional society for two years. Additionally, the student must submit a self evaluation which includes:

a. reasons for choosing the concentration.
b. contributions made or projected to the field.
c. strengths and/or weaknesses.
d. a resume listing activities of a professional nature.

The recommendations from the faculty and cooperating practitioners should provide evidence of proficiency as a leader and address perceived growth and contribution to the field of study.

SPORTS MEDICINE

The Sports Medicine option is a pre-professional preparation option which completes requirements for a movement science major, however, further study will be necessary in order to obtain credentialing in an allied health profession.

Required Course List:

MOVP 0107 Exercise Injuries: Prevention and Treatment	(3)
MOVP 0108 Principles of Health and Wellbeing	(3)
MOVP 0212 Concepts of Nutrition	(3)
MOVP 0234 Eval Upper Extremity Injuries	(3)
MOVP 0235 Eval Lower Extremity Injuries	(3)
MOVP 0323 Therapeutic Modalities	(3)

And also required;

MOVP 0353 Clinical Experience **or** two upper level courses	(6)

Note: A minimum GPA of 2.5 with Advanced Standing is required for a clinical placement.

In addition, students pursuing a career in an allied health field other than athletic training must meet prerequisite standards for graduate level education in that field (ie. PT, OT, PA, etc.). Information on these requirements may be obtained from the Movement Science Department Office.

ATHLETIC TRAINING

The Athletic Training Education Program (ATEP) is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) of the American Medical Association. Upon successful completion of the program the student will have met the academic and clinical requirements necessary to sit for the National Athletic Trainers' Association Board of Certification (NATABOC) examination. The following is a listing of the Athletic Training course requirements beyond those of the Movement Science core:

MOVP 0107 Exercise Injuries: Prevention and Treatment	(3)
MOVP 0108 Principles of Health and Wellbeing	(3)
MOVP 0190 First Aid and Emergency Care*	(1)
MOVP 0212 Concepts of Nutrition	(3)
MOVP 0234 Eval of Upper Extremity Injuries	(3)
MOVP 0232 Structure and Function of the Cervical Spine and Upper Extremity**(lab course)	(1)
MOVP 0235 Eval of Lower Extremity Injuries	(3)
MOVP 0231 Structure and Function of the Lumbar Spine and Lower Extremity** (lab course)	(1)
MOVP 0321 Supervising Sports/Fitness Programs	(3)
MOVP 0323 Therapeutic Modalities	(3)
MOVP 0327 Therapeutic Exercise	(3)

Also required is:

MOVP 0353 Clinical Experience***	(6)

*Note: The Emergency Medical Technician course (MOVP 0211) may be taken in place of MOVP 0190

**Must be taken concurrently with the corresponding evaluation course

***Note: A minimum GPA of 2.5 with Advanced Standing is required for a clinical placement. Additional information regarding the Clinical Experience may be obtained from the Clinical Experience Guidebook available in the MSSLS Department office.

ATEP Entrance (Acceptance) Requirements:

A student wishing to enter the Athletic Training Education Program must be enrolled at Westfield State College as a Movement Science major, and must apply for entrance into the Program. The minimum time period to successfully complete the Program is 2 years (4 semesters). On-campus and off-campus clinical experience is required in addition to the academic requirements. Admission to the Program is competitive and based on the following criteria:

1. Completion of a Program application. *
2. Successful completion of 14 academic credit hours including MOVP 0100: Intro to Exercise Science.
3. Successful completion or enrollment in BIOL 0237: Anatomy and Physiology I and MOVP 0107: Exercise Injuries: Prevention and Treatment.
4. Cumulative GPA of 2.0 or better, and major core of 2.5 or better.
5. Completion of 70 clinical observation hours.
6. Submission of three recommendation forms.
7. Attendance at a minimum of 4 approved colloquia
8. Documentation of completed prerequisite competencies. (A list of required competencies may be obtained in the program director's office)
9. Completion of a Medical History Form, Musculoskeletal Exam, and Limited Functional Test
10. Interview with the ATEP faculty and clinical instructors.

* Deadline for fall applications is October 1; spring applications February 15.

Candidates for admission to the Athletic Training Program at Westfield State College must demonstrate essential mental, physical, intellectual and emotional qualities to meet the standards of the program and its accrediting agency. The technical standards for admission are published in Appendix A of the ATEP Student Manual.

Transfer students will be considered on an individual basis based on college policies explained in the Admission section of the Bulletin, in addition to courses, clinical experience, and competencies completed at the previous institution.

PROGRESSION THROUGH THE PROGRAM

Progression through the Athletic Training Education Program will require the student to complete 3 levels of preparation, each involving accumulation of clinical hours, and each of increasing difficulty and responsibility. The following is an outline of the general requirements made at each level:

Level 1

1. Become a student member of the National Athletic Trainers' Association (NATA)
2. Obtain certification in CPR and First Aid
3. Accumulate a minimum of 225 clinical hours
4. Accumulate 17 professional development points
5. Complete Level 1 competencies
6. Successful completion of BIOL 0237, MOVP 0107, MOVP 0190, and MOVP 0235/231 ***(spring admission)*** **or** MOVP 0234/0232 ***(fall admission)***

Level 2

1. Maintain membership in the NATA
2. Maintain certification in CPR and First Aid
3. Accumulate a minimum of 375 clinical hours (minimum total of 600)
4. Accumulate 25 professional devlopment points during level 2
5. Complete Level 2 competencies
6. Successful completion of BIOL 239, MOVP 0234/0232, MOVP 0235/231, and MOVP 0323

Level 3

1. Maintain membership in the NATA
2. Maintain certification in CPR and First Aid
3. Accumulate a minimum of 200 clinical hours (minimum total of 800)
4. Plan and direct one colloquium
5. Complete Level 3 competencies
6. Successful completion of all required courses (major core and athletic training concentration)

HEALTH /FITNESS

MOVP 0107 Exercise Injuries: Prevention and Treatment (3)
MOVP 0108 Principles of Health and Wellbeing (3)
MOVP 0212 Concepts of Nutrition (3)
MOVP 0183 Relaxation Techniques (1)
MOVP 0320 Fitness Assessment and Exercise Prescription (3)
MOVP 0321 Supervising Sports/Fitness Programs (3)

One of the following:

MOVP 0181 Aqua Aerobics (1)
MOVP 0185 Swimming for Fitness (1)

One of the following:

MOVP 0162 Strength Training and Conditioning (1)
MOVP 0109 Aerobics (1)
MOVP 0114 Fitness for Adults (1)

And also:

MOVP 0397 Internship in Health* or two upper-level courses in major (6)

*NOTE: A minimum GPA of 2.5 with Advanced Standing is required for an internship placement.

TEACHER OF PHYSICAL EDUCATION (ELEMENTARY OR SECONDARY)

MOVP 0103 Introduction to Teaching Physical Education (1)
MOVP 0260 (MOVP 0261) Analysis of Teaching Selected P.E. Skills I: Elementary (Secondary) (4)
MOVP 0262 Analysis of Teaching P.E. Skills II (2)
MOVP 0302 Measurement and Evaluation in P.E. (3)
MOVP 0311 Adaptive Physical Education (3)
MOVP 0313 (MOVP 0314) Physical Education Teaching Methodology: Elementary (Secondary) (3)
MOVP 0316 Curriculum Planning and Implementation in P.E. (2)
MOVP 0348 (0350) Practicum I: Elem(Secondary) * (6)
MOVP 0349 (0351) Practicum II: Elem (Secondary)* (6)
MOVP 0355 Practicum Seminar* (3)

Students may substitute 6 credits of upper-level courses in the major for the practica and practicum seminar.

NOTE: Students must satisfy the following requirements prior to practicum placement:

1. A 2.7 average in English Composition I and II
2. A 2.8 overall GPA
3. MSSLS advanced standing status and a minimum grade of 2.7 in MOVP 0313 or MOVP 0314
4. A passing grade on all parts of the Massachusetts Educators Certification Test

WILDERNESS LEADERSHIP

MOVP 0199 Wilderness Experiences (3)
MOVP 0245 Adventure Challenge Instructor (3)
MOVP 0250 Techniques of Wilderness Leadership (3)
MOVP 0190 First Aid and Emergency Care (1)

One of the following:

BIOL 0100 Natural History of Massachusetts (2)
BIOL 0201 General Ecology (3)

One of the following:

MOVP 0309 Outdoor Recreation (3)
EDUC 0312 Outdoor Education (3)

As well as three Activities from the following list: (3-4)

MOVP 0137 Skin and Scuba Diving
MOVP 0138 Boating and Canoeing
MOVP 0139 Kayaking
MOVP 0155 Ski Touring and Snowshoeing
MOVP 0164 Bicycling
MOVP 0167 Camping Skills
MOVP 0172 Orienteering
MOVP 0173 Initiative Games and Ropes
MOVP 0180 Rock Climbing
MOVP 0182 Life Guard Training
MOVP 0184 Water Safety Instructor

Also required is:

MOVP 0398 Internship in Wilderness Leadership* or two upper-level courses in major (6)

*NOTE: A minimum GPA of 2.5 with Advanced Standing is required for an internship placement.

MINOR IN WILDERNESS LEADERSHIP

The Movement Science Department also offers a minor in Wilderness Leadership. The requirements are the same as for the Wilderness Leadership Concentration, except an internship is not required, nor is completion of the major core required.

INTERDISICPLINARY MINOR IN COMMERCIAL RECREATION AND TOURISM

The Economics and Management, Movement Science, and Geography and Regional Planning Departments offer an interdisciplinary minor in commercial recreation and tourism. A full description of the requirements for this minor is included in the Economics and Management section of the Bulletin.

COURSES

MOVP 0100 INTRODUCTION TO EXERCISE SCIENCE (3) Through observation and experimentation students will examine the cardiorespiratory, musculoskeletal and nervous systems of the body and the impact of exercise on their functioning. The effect of changing one's own personal exercise habits on risk factors for cardiovascular disease, longevity and quality of life will be explored.

MOVP 0103 INTRODUCTION TO TEACHING PHYSICAL EDUCATION (1) This course will provide initial exposure to school physical education programs and the opportunity to integrate concepts of the movement science courses with the curriculum in the schools. Field-based pre-practicum (30 clock hours) with classroom follow-up. Prerequisite: MOVP 0105 or MOVP 0106.

MOVP 0104 FRESHMAN SEMINAR/MOVEMENT SCIENCE (1) Designed to provide the student with an introductory study and critical analysis of the professional opportunities in movement science.

MOVP 0105 FOUNDATIONS OF MOVEMENT SCIENCE I (3) Designed to provide the student with the opportunity to examine the historical and philosophical foundations of human movement and sport.

MOVP 0106 FOUNDATIONS OF MOVEMENT SCIENCE II (3) Designed to provide the student with the opportunity to examine the sociological and psychological foundations of human movement and sport.

MOVP 0107 EXERCISE INJURIES: PREVENTION AND TREATMENT (3) Provides the student with the knowledge of the general principles of athletic training. The emphasis of the course will be the prevention and management of exercise/sport injuries and conditions.

MOVP 0108 PRINCIPLES OF HEALTH AND WELLBEING (3) Designed to assist the student in developing a lifestyle conducive to good health and wellbeing. Identification of risk factors which affect longevity will be discussed. Included will be substance abuse, emotional and environmental factors, diet and exercise.

MOVP 0190 FIRST AID AND EMERGENCY CARE (1) Provides the fundamental principles, knowledge and skills of first aid and accident prevention. Prepares the individual to care for most injuries and emergencies when medical assistance is delayed. Certification from the National Safety Council will be available upon successful completion of the course

MOVP 0199 WILDERNESS EXPERIENCES (3) An introduction to wilderness activities which provide participants with a degree of challenge and excitement. Will include current information on the most popular activities, with attention given to the history, equipment needs, travel arrangements, safety and first aid procedures, physical skills, liability problems and environmental concerns. The theories behind these activities and the organizational methods for conducting them, will also be included.

MOVP 0202 INTRODUCTION TO MOTOR LEARNING (3) The study of significant variables which influence motor learning, i.e., transfer, cues, practice, reminiscences, perception, reaction time, motivation, reinforcement, etc. and the analysis of selective variables which affect the acquisition of motor skills. Prerequisite: PSYC 0101

MOVP 0203 MOTOR DEVELOPMENT AND BEHAVIOR (3) The scientific study of developmental patterns (psychomotor, cognitive and affective domains) of basic motor skills and structural components, growth processes and interrelationships/interactions of structure to function that influence motor behavior - infancy to old age. Prerequisite: PSYC 0101

MOVP 0204 ANALYSIS OF MOTION (3) Science of human motion, analysis of leverage in body movement and problems of readjustment in relationship to body mechanics and to physical activity as it is related to an understanding of skillful, efficient and purposeful human motion. A lab component is included. Prerequisite: BIOL 0237.

MOVP 0205 PHYSIOLOGY OF EXERCISE (3) Designed to investigate and understand the role that exercise (muscle activity) plays on the functioning of the human body and how the body responds to exercise. A laboratory component is included. Prerequisite: BIOL 0239

MOVP 0211 EMERGENCY MEDICAL TECHNICIAN (4) This course is designed to provide the student with the theoretical understandings and practical experiences in dealing with medical emergencies. Topics included are rescue breathing, cardiopulmonary resuscitation, airway obstruction, oxygen therapy, soft tissue and internal injuries, ambulance operations, and emergency extrication. Class meets for two (2) hours of lecture and four (4) hours of laboratory. (Upon successful completion of the course students will be able to sit for the EMT-M certification examination conducted by the Massachusetts Department of Public Health Offices of Emergency Services.) Costs associated with required equipment/materials and certification fees are additional and are the responsibility of the student.

MOVP 0212 CONCEPTS OF NUTRITION (3) Includes basic principles of nutrition and the body's use of nutrients. Emphasis on the effect of diet on selected health problems as well as the relationship between diet and athletic habits using a variety of established guidelines including the use of a computerized diet analysis. Prerequisite: any lab science course

MOVP 0231 STRUCTURE AND FUNCTION OF THE LUMBAR SPINE AND LOWER EXTREMITY (1) This course is a laboratory experience designed to enable students to identify the structure and function of the lumbar spine and the lower extremity. Two hours lab per week for the semester. Prerequisite: BIOL 0237.

MOVP 0232 STRUCTURE AND FUNCTION OF THE CERVICAL SPINE AND UPPER EXTREMITY (1) This course is a laboratory experience designed to enable students to identify the structure and function of the cervical spine and the upper extremity. Two hours lab per week for the semester. Prerequisite: BIOL 0237.

MOVP 0234 EVALUATION OF UPPER EXTREMITY INJURIES (3) This course will allow the student the opportunity to acquire the skills and knowledge needed to conduct a thorough clinical evaluation of injuries that commonly occur to the upper extremity in a sports/fitness environment. Prerequisite: BIOL 0237, MOVP 0107, or permission of instructor.

MOVP 0235 EVALUATION OF LOWER EXTREMITY INJURIES (3) This course will allow the students the opportunity to acquire the skills and knowledge needed to conduct a thorough clinical evaluation of injuries that commonly occur to the lower extremity in a sports/fitness environment. Prerequisite: BIOL 0237, MOVP 0107, or permission of instructor. Prerequisite: BIOL 0237, MOVP 0107, or permission of instructor.

MOVP 0245 ADVENTURE CHALLENGE INSTRUCTOR (3) The operation, management and design of an Adventure Challenge Ropes Course. This includes liability responsibilities, group process, construction and maintenance, safety procedures and technical skill. Satisfactory completion will result in one year certification of Adventure Challenge Instructor at Westfield State College.

MOVP 0250 TECHNIQUES OF WILDERNESS LEADERSHIP (3) Techniques of planning, developing, organizing, and conducting an extended Wilderness Experience. Leadership training will also include first aid, rescue, navigation and legal responsibilities of these experiences. Prerequisite: MOVP 0199.

MOVP 0260 ANALYSIS OF TEACHING SELECTED PHYSICAL EDUCATION SKILLS/ELEMENTARY (4) This course provides the student with the knowledge and methodology of selected activities appropriate for the elementary school child. The course will include locomotor, non-locomotor, manipulative, body management and specific sports skills as taught through games of low organization, lead-up activities to games of higher organization and rhythmics. Consideration will be given to analysis of performance organization and progression. The course will consist of two hours of lecture and four hours of laboratory. Prerequisites: MOVP 0105 and MOVP 0106.

MOVP 0261 ANALYSIS OF TEACHING SELECTED PHYSICAL EDUCATION SKILLS/SECONDARY (4) This course provides the student with the knowledge and methodology of teaching games, sports and physical activities in a secondary physical education program. The course will include team and individual sports, non-traditional games and dance/rhythmic activities. Emphasis will be placed on analysis of performance, sequence and progression of skills and lead-up games, and effective organizational techniques applied in teaching these selected activities. This course will consist of two hours of lecture and four hours of laboratory. Prerequisites: MOVP 0105 and MOVP 0106.

MOVP 0262 ANALYSIS OF TEACHING SELECTED PHYSICAL EDUCATION SKILLS II (2) Provides the student with the knowledge and methodology appropriate for selected physical education skills: aquatics, tumbling and gymnastics, and track and field. Emphasis will be placed on analysis of performance, sequence, progression of skills and effective organizational techniques applied in teaching these activities. Will include safety procedures. Prerequisites: MOVP 0260 or MOVP 0261.

MOVP 0301 PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL (3) Philosophy, program planning and methods of teaching children, guided observational experiences of children in schools, presentation of activities suitable in elementary school programs.

MOVP 0302 MEASUREMENT & EVALUATION IN PHYSICAL EDUCATION (3) This course is designed to provide the student with an opportunity to gain knowledge of elementary statistical techniques and measurement procedures applicable to the discipline of physical education. Students will be expected to develop competency in the selection, development, and administration of valid testing and evaluation programs in physical education. Prerequisite: MOVP 0313 or MOVP 0314 or permission.

MOVP 0304 PSYCHOLOGY OF COACHING (3) This course concentrates on the principles and techniques applicable to the coaching of sports at the elementary and secondary levels.

MOVP 0309 OUTDOOR RECREATION (3) An in-depth analysis of outdoor recreational activities. Includes skills of living in nature in respect to wilderness camping and environmental awareness, campcraft skills; planning and conducting outdoor recreation programs. Prerequisite: Permission of instructor.

MOVP 0311 ADAPTIVE PHYSICAL EDUCATION (3) The course will cover scientific techniques used in assessment, identification, skill analysis and program implementation for special needs students. Consideration will be given to characteristics, needs and related problems associated with conditions such as retardation, learning disabilities, behavioral disorders, orthopedic disabilities, visual and hearing impairment, chronic illnesses, bilingual and multicultural problems of children and their integration into physical education programs. Special attention will be given to the impact of federal and state regulations as they relate to adapted and mainstreamed physical education. Twenty (20) hours of field work required. Prerequisite: MOVP 0203.

MOVP 0313 PHYSICAL EDUCATION TEACHING METHODOLOGY: ELEMENTARY (3) Analysis of performance and methods of teaching selected motor activities for the elementary level. Included will be growth and development as it relates to program planning and implementation, class management, teaching styles, formulation of goals and objectives through lesson and unit plans, sequencing and progression for teaching skills, fundamental motor patterns and game usage. A forty (40) hour pre-practicum at the elementary level is required. Prerequisites: MOVP 0202 and MOVP 0262.

MOVP 0314 PHYSICAL EDUCATION TEACHING METHODOLOGY: SECONDARY (3) Analysis of skill performance and methods of teaching physical education in the secondary school. Will include organization, sequence and progression for teaching skills, formulation of objectives and goals through lesson and unit plans, evaluation of lessons, class management and teaching styles. A forty (40) hour pre-practicum at the secondary level is required. Prerequisites: MOVP 0202 and MOVP 0262.

MOVP 0316 CURRICULUM PLANNING & IMPLEMENTATION (2) This course will provide for the development of curricular designs in Physical Education for programs in schools through evaluation of existing programs and the study of current trends and development in relation to their influence on the curriculum. Prerequisites: MOVP 0313 or MOVP 0314.

MOVP 0320 FITNESS ASSESSMENT AND EXERCISE PRESCRIPTION (3) Analysis of the facets of fitness assessment and exercise prescription, based on the guidelines and certification requirements established by the American College of Sports Medicine. Students will participate in, administer, and analyze: exercise stress tests, body composition assessment, muscular strength, endurance and flexibility tests. Concepts, principles and theories based on research from the fields of exercise physiology, kinesiology, nutrition, and tests and measurement will be applied to fitness assessment and exercise prescription. Prerequisites: MOVP 0204 and MOVP 0205.

MOVP 0321 SUPERVISING SPORTS/FITNESS PROGRAMS (3) An overview of the objectives, strategies and policies the managing sports/fitness programs. Specific learning experience will be designed to enhance the individual's technical, human, and conceptual skills. Prerequisite: MOVP 0105, MOVP 0106 or MOVP 0100.

MOVP 0322 SPORTS AND THE LAW (3) An analysis of the legal considerations in the administration of physical education, health, and sports/athletic programs. Specific law relevant to these programs and how to incorporate consideration of the law into instruction, curriculum development, supervision, staffing, policy formulation, facility design and maintenance, equipment selection and maintenance will be examined.

MOVP 0323 THERAPEUTIC MODALITIES (3) Examines the use of therapeutic modalities as a component of athletic injury reconditioning programs. Theory, clinical applications and legal aspects are considered. Two lectures, two hour laboratory, weekly. Prerequisite: permission of instructor.

MOVP 0325 WOMEN AND SPORT (3) Provides an overview of the concerns of women within the social institution of sport. The historical, socio-psychological, and physiological aspects of female sport participation will be examined and discussed. Issues related to the impact of social change within sport upon the female athlete will be addressed. Prerequisite: WSTP 0101, PSYC 0101, or SOCI 0101.

MOVP 0326 CHILDREN IN COMPETITIVE SPORTS (3) This course examines the cognitive, behavioral, biological, and environmental factors having important implications for competitive sport participants from early childhood through high school. Special attention will be placed on the practical application of sport science research for teachers, coaches, and administrators. Prerequisites: MOVP 0202 and MOVP 0203, or permission of instructor.

MOVP 0327 THERAPEUTIC EXERCISE (3) A study of the principles and techniques associated with planning and implementation of exercise programs designed to restore and improve musculoskeletal function. Students will learn how to develop reconditioning and rehabilitation programs including the components of range of motion, strength, stretching, joint mobilization, neuromuscular facilitation, and cardiovascular exercise. The emphasis will be on practical decision making related to the setting of program goals and the selection of appropriate exercises to achieve those goals. Prerequisites: MOVP 0107, BIOL 0237 and BIOL 0239, or permission of instructor.

MOVP 0328 FITNESS/REHAB FOR SPECIAL POPULATIONS (3) This course will explore fitness assessment and exercise prescription for special populations. The effects of exercise on the process of aging will be examined. The special needs of those individuals with various medical conditions will be explored. Research in the areas of exercise physiology and medicine will serve as resources for the development of safe and effective exercise programs for individuals with special needs. Prerequisites: MOVP 0108 and MOVP 0205.

MOVP 0330 SPORTS PROMOTION (3) An introduction to the issues, principles, and skills of sports promotion pertaining to the educational, recreational, and professional sports arenas. Focus will be on the structure and economic impact of the sports industry and the acquisition of skills required to effectively promote a sports program. Prerequisite: Junior status.

MOVP 0348 PRACTICUM I IN PHYSICAL EDUCATION: ELEMENTARY (6) Supervised observation and student teaching in an elementary school, conduct of classes and extra-curricular activities, development and understanding of school and community. Emphasis on continuity of lessons, units, daily evaluation. Supervision by cooperating school practitioner and Physical Education faculty from the college. Individual conferences and group seminars. Prerequisite: Advanced standing, MOVP 0313, and current First Aid certificate.

MOVP 0349 PRACTICUM II IN PHYSICAL EDUCATION: ELEMENTARY (6) Supervised observation and student teaching in an elementary school, conduct of classes and extra-curricular activities, development and understanding of school and community. Emphasis on continuity of lessons, units, daily evaluation. Supervision by cooperating school practitioner and Physical Education faculty from the college. Individual conferences and group seminars. Prerequisite: MOVP 0348.

MOVP 0350 PRACTICUM I IN PHYSICAL EDUCATION - SECONDARY (6) Supervised observation and student teaching in a secondary school, conduct of classes and extra-curricular activities, development and understanding of school and community. Emphasis on continuity of lessons, units, daily evaluation. Supervision by cooperating school practitioner and Physical Education faculty from the college. Individual conferences and group seminars. Prerequisite: Advanced standing, MOVP 0314, and current First Aid certificate.

MOVP 0352 PRACTICUM II IN PHYSICAL EDUCATION - SECONDARY (6) Supervised observation and student teaching in a secondary school, conduct of classes and extra-curricular activities, development and understanding of school and community. Emphasis on continuity of lessons, units, daily evaluation. Supervision by cooperating school practitioner and Physical Education faculty from the college. Individual conferences and group seminars. Prerequisite: MOVP 0350.

MOVP 0353 CLINICAL EXPERIENCE IN ATHLETIC TRAINING (6-12) Course requires working with a certified athletic trainer in another school for practical experience. Duties to include: administering first aid, administration of therapy treatment, observation of work of the clinical supervisor and duties assigned by the clinical supervisor. Prerequisite: Advanced standing, 2.5 GPA in Athletic Training concentration, and current First Aid certificate.

MOVP 0355 PRACTICUM SEMINAR: PHYSICAL EDUCATION (3) The practicum seminar is a series of formal meetings to provide an opportunity for student teachers to perceive relationships among ideas in problem situations, to explore creative situations, to increase familiarity with many resources and materials, and to develop wholesome personal and professional relationships. Special programs are presented with the aid of professional resource persons. Identification of educational innovations, problems and suggestions for the present and future needs of students and school personnel are a pertinent part of the practicum experience. Prerequisite: Concurrent enrollment in practicum.

MOVP 0397 INTERNSHIP HEALTH (6) Provides the student enrolled in the Health/Fitness Concentration with an opportunity to do in service work with public and private agencies/institutions in the community. The students will work under the supervision of the agency/institution director and will be supervised by a faculty member from the MSSLS Department. Students will be expected to assist in the development as well as conduct of Health/Fitness programs offered. Students are expected to fulfill a minimum of 280 clock hours. Individual conferences and group seminars are held in addition to the 280 clock hours. Prerequisites: Advanced Standing and completion of courses in the Health/Fitness Concentration with a 2.5 minimum QPA, and current First Aid certificate.

MOVP 0398 INTERNSHIP WILDERNESS LEADERSHIP (6) Provides the student enrolled in the Wilderness Leadership concentration with an opportunity to work with public and/or private agencies/institutions in the community conducting wilderness programs. The student will work under the supervision of the agency/institution director and will be supervised by a member from the MSSLS department. Students will be expected to assist in the development as well as the conduct of the Wilderness Programs offered. Students are expected to fulfill a minimum of 280 clock hours. Prerequisite: Advanced standing and completion of courses in the Wilderness leadership concentration with a minimum QPA of 2.5 and current First Aid certificate.

MOVP 0399 INDEPENDENT STUDY (1-6) Individual research and independent study related to a particular phase of Movement Science, health or recreation with approval from the Movement Science Department. Prerequisite: Movement Science Major with Advanced Standing.

SKILLS COURSES

MOVP 0109 AEROBICS	(1)
MOVP 0111 BADMINTON	(1)
MOVP 0113 FITNESS FOR ADULTS: WALKING	(1)
MOVP 0114 FITNESS FOR ADULTS: JOGGING	(1)
MOVP 0118 STEP AEROBICS	(1)
MOVP 0127 VOLLEYBALL	(1)
MOVP 0128 VOLLEYBALL II	(1)
MOVP 0131 BEGINNERS' SWIMMING	(1)
MOVP 0132 INTERMEDIATE SWIMMING	(1)
MOVP 0133 SWIMMERS	(1)
MOVP 0138 BOATING AND CANOEING	(1)
MOVP 0139 KAYAKING	(1)
MOVP 0149 TENNIS	(1)
MOVP 0150 TENNIS II	(1)
MOVP 0152 GOLF I	(1)
MOVP 0153 GOLF II	(1)
MOVP 0154 DOWNHILL SKIING	(1)
MOVP 0162 STRENGTH TRAINING & CONDITIONING	(1)
MOVP 0167 CAMPING SKILLS	(1)
MOVP 0171 DIVING	(1)
MOVP 0172 ORIENTEERING	(1)
MOVP 0173 INITIATIVE GAMES AND ROPES	(1)
MOVP 0180 ROCK CLIMBING	(1)
MOVP 0181 AQUA AEROBICS	(1)
MOVP 0182 LIFEGUARD TRAINING	(2)
MOVP 0183 RELAXATION TECHNIQUES	(1)
MOVP 0184 WATER SAFETY INSTRUCTOR	(2)
MOVP 0185 SWIMMING FOR FITNESS	(1)

MULTICULTURAL AND ETHNIC STUDIES MINOR

The Multicultural and Ethnic Studies Minor is an interdisciplinary program designed to promote an understanding of and appreciation for the richnes of racial, ethnic and cultural differences among the people of the world. This involves exploring the nature of that difference and examining its impact on our lives and on our ways of thinking. It also involves analyzing the sources of conflict among different groups, and evaluating ways of resolving it. The goal is for students to develop a multicultural perspective – that is, learn how to go beyond the limits of their own social and cultural backgrounds to see their world from different points of view. Such a skill is critical for anyone who wants to make informed personal and professional choices in the global community. This is especially true for those in the fields of education, business, criminal justice, or human services – and in particular for those who are concerned about creating a more just and harmonious society.

REQUIREMENTS OF MINOR

Courses fulfilling the Multicultural and Ethnic Studies minor must fall into one of the following categories:

Category A: Courses that provide a base knowledge of specific ethnic groups. Courses in this category will broaden students understanding of different ethnic groups. The intent of these courses is to provide an overview or introduction to the art, music, literature, culture, or history of a particular group.

ENGL 0224	World Ethnic Literature
ENGL 0324	Black American Literature
ENGL 0327	Contemporary Cross-Cultural Literature
GARP 0351	Cities of the Third World
HIST 0150	Introduction to the Non-Western World
HIST 0282	Traditional Africa to 1807
HIST 0286	History of the Far East
LLIT 0201	Women Writers of the Americas: Global: Caribbean
LLIT 0202	Women Writers of the Americas: US Latina Writers
LLIT 0202	Women Writers of the Americas: Caribbean
LLIT 0210	Studies in the Literature of Africa and African Diaspora
LLIT 0220	Studies in European Culture: Holocaust in Literature
MCES 0205	Special Topics in Multicultural and Ethnic Studies
MUSC 0160	History of Jazz

Category B: Courses that seek to develop culturally critical and relevant thinking, i.e. development of "critical consciousness". These courses will develop students' abilities to analyze and critique social, political, and economic institutions. Students learn about cultural relativism and anti-ethnocentrism and use this awareness to critique the assumptions and belief systems of various institutions.

EDUC 0380	Multicultural Education
HIST 0287	Contemporary Far East
HIST 0370	Problems in African History
MCOM 0306	International Communication
MCES 0205	Special Topics in Multicultural and Ethnic Studies
POLS 0322	Race and Ethnicity in U. S. Politics
POLS 0324	Third World Politics
PSYC 0361	Psychology of Racism
SOCI 0202	Race and Ethnic Relations
SOCI 0307	Social Problems

Category C: Courses that seek to improve cultural competency. These courses focus on developing students' abilities to interact, communicate and work cross-culturally.

MGMT 0338	International Business
MCOM 0222	Intercultural Communication
MCES 0205	Special Topics in Multicultural and Ethnic Studies
PHIL 0108	Major Religions of the East
POLS 0209	International Relations
PSYC 0356	Cross-Cultural Psychology
SOCI 0200	Cultural Anthropology

Specific courses in the College curriculum that satisfy these categories will be regularly identified by program faculty.

REQUIRED COURSES:

MCES 0101 Intro to Multicultural and Ethnic Studies	(3)
MCES 0301 MCES Research Seminar or Project	(3)
One elective course from each of the categories	(9)
One additional elective from approved program courses or relevant special topics courses	(3)

COURSES

MCES 0101 INTRODUCTION TO MULTICULTURAL AND ETHNIC STUDIES (3) The focus in this introductory course centers on the meaning and significance of multiculturalism and the nature of ethnic diversity. Students will have the opportunity to study different cultural and ethnic groups and learn about the permanence of such groups within the United States and other countries. Students will be exposed to basic concepts in ethnic studies such as ethnicity, culture, race, socialization, cultural assimilation, acculturation, migration, immigration, social protest and resistance. This course will be taught from an interdisciplinary perspective, thereby allowing students to build a multicultural/ethnic knowledge base from various viewpoints: historical, political, economical, sociological, and psychological.

MCES 0205 SPECIAL TOPICS IN MULTICULTURAL AND ETHNIC STUDIES (3) The study and analysis of specific groups, issues, or case studies related to the field of multicultural and ethnic studies.

MCES 0301 MULTICULTURAL AND ETHNIC STUDIES RESEARCH SEMINAR OR PROJECT (3) Guided research in Multicultural and Ethnic Studies. Students prepare a research project on a relevant subject of their choice. Each student is responsible for arranging to work with a member of the MCES faculty. Prerequisites: MCES 0101 and advanced work in Multicultural/Ethnic Studies, or permission of instructor.

MUSIC

The Music Department, in alliance with a liberal arts base, provides the highest standard of practical and theoretical training toward the development of potential in the individual student. The department places the student at the center of its focus. Professional training in musicianship, performance, pedagogy, and literature furnishes an environment in which the abilities of the student can be fully developed. After completing music studies at Westfield State College, the student is well equipped to make choices regarding further professional goals and objectives.

Areas of concentration are provided in Performance, Theory and Composition, Music History, Music Education, Jazz Studies, Musical Theatre, Music Merchandising, and Business Management. The successful completion of the Concentration in Music Education leads toward Certification by the State Board of Education.

Any qualified student may participate in the department's Performance Ensembles. Numerous concerts, recitals, and other productions are presented to the entire community each semester.

The Music Department's facilities consist of an electronic piano laboratory, equipped with computers and other music technology devices, individual practice rooms (equipped with pianos), and a recital room. Additionally, there is a growing collection of recordings and cassettes available to students. An impressive collection of texts on music and an expanding collection of music scores are housed in the College Library.

Graduates majoring in music have found careers in church music, music education, recording engineering, music retailing, profession performance careers outside of the field of Music.

REQUIREMENTS FOR MUSIC MAJORS

MUSIC MAJOR CORE (Total Credits 35-41)

MUSC 0111 Music Theory I	(3)
MUSC 0112 Music Theory II	(3)
MUSC 0211 Music Theory III	(3)
MUSC 0212 Music Theory IV *	(3)
MUSC 0113 Sight Singing and Ear Training I	(1)
MUSC 0114 Sight Singing and Ear Training II	(1)
MUSC 0213 Sight Singing and Ear Training III	(2)
MUSC 0223 Sight Singing and Ear Training IV	(2)
MUSC 0200 Music History I	(3)
MUSC 0201 Music History II	(3)

* Note: MUSC 0212 is not required for students in the Musical Theatre Concentration. Students in Jazz Studies Concentrations may substitute MUSC 0364 Contemporary Harmonic Techniques.

MUSIC INSTRUMENT/VOICE (Levels 1-7) * (7)

* Note: Students in the Performance Concentration must take an additional 5 semesters of Applied Music. Students in Jazz Studies Concentrations must take a total of 8 semesters (1 additional) of Applied Music, 4 semesters of classical training and 4 of jazz training.

All Music Majors are required to take one lesson per week on their major instrument, or voice, throughout seven semesters of study. All students enrolled in applied instrument or voice study must also participate, as available, in a Repertoire Class. There is no additional fee for lessons that are required for graduation, within the Music Major Core, or the student's selected Area of Concentration.

To receive credit for any Major instrument or Voice level for the study of Applied Music, all students must pass a jury examination at the end of each semester. Any grade of "Incomplete" received in Applied Music must be made up by the end of the fourth week of the following semester.

GENERAL REQUIREMENTS

ENSEMBLE REQUIREMENTS (4-8)

All students must participate in two performing ensembles each semester enrolled as a music major, one of which must be a large ensemble. Music majors are typically assigned by the department to the large ensemble in which they can perform on their major instrument. All students must participate in at least one performing ensemble during each semester enrolled as a music minor, as assigned by the department. Music Education majors are encouraged, but not required, to participate in ensembles during the semester of their practicum.

Pianists and guitarists may be assigned to a vocal or applied instrumental studio to accompany a single student for Chamber Ensemble credit. The accompanist must attend lessons regularly as assigned by the applied instructor. At least one public performance is required.

Large Ensembles:
- MUSC 0140 Chorale
- MUSC 0141 College Chorus (Festival Chorus)
- MUSC 0143 Wind Symphony

Small Ensembles:
- MUSC 0145 Jazz Ensemble
- MUSC 0146 Jazz Vocal Ensemble
- MUSC 0240 Chamber Ensembles
- MUSC 0266 Small Group Jazz Workshop

PIANO PROFICIENCY (0-2)

May be satisfied by taking:

MUSC 0151 Piano class I	(.5)
MUSC 0152 Piano class II	(.5)
MUSC 0252 Piano class III	(.5)
MUSC 0252 Piano class IV	(.5)

RECITAL ATTENDANCE AND PERFORMANCE (3)
All music majors are required to complete 6 semesters (music minors 3 semesters) of MUSC 0279, Recital Attendance and Performance. Students must attend all but two Wednesday Musicales each of the 6 semesters, and must perform in a solo capacity in 3 of the 6 semesters.

AREAS OF CONCENTRATION

Note: Education students who choose music as their arts or science major, and who are seeking teacher certification outside of music, must complete a music concentration in addition to the above core requirements.

CONCENTRATION IN MUSIC EDUCATION

Minor adjustments in the requirements for the music education concentration may be expected as teacher licensure requirements are changed. Students will be advised as soon as possible concerning these adjustments.

Admission to the Music Education concentration during the fourth semester is dependent on: completion of the piano proficiency requirement, and completion of an entrance examination to include music education philosophy, major applied area, basic musicianship, and piano.

All Music Education concentration students must pass a pre-practicum jury examination in the semester preceding the practicum. The examination will demonstrate proficiency in conducting, score reading, piano, sight singing, and the major applied area.

Music education concentration students preparing for a practicum experience in instrumental music normally take a traditional concert band or orchestral instrument for the applied major. Students preparing for a practicum experience in vocal music normally take voice for the applied major. Students planning a practicum experience outside their usual performing area must demonstrate performance experience and proficiency equivalent to MUSC 0172 or complete three semesters of minor applied study and ensemble experience in voice, percussion, winds or orchestral strings, as appropriate.

NOTE: Admission and retention in the music education concentration are dependent on: an overall GPA of 2.7, a 2.7 GPA in applied music, and a 2.7 GPA in pedagogy coursework. An overall GPA of 2.8 is required for a Practicum placement.

Major Coursework
- Required Music Major Core (35-41)
- MUSC 0312 Form and Analysis (3)
- MUSC 0230 Basic Conducting (3)

Required College Core Coursework
- EDUC 0380 Multicultural Education (3)

Pedagogical Coursework
- Vocal and Instrumental Techniques (3)
- MUSC 0221 Music Curriculum and Instruction (3)
- MUSC 0323 Behavioral Techniques in Music (3)
- EDUC 0221 Students with Special Needs (3)
- One of the following:
  - MUSC 0332 Instrumental Music Education (3)
  - MUSC 0333 Vocal Music Education (3)
- One of the following:
  - PSYC 0202 Child Psychology (3)
  - PSYC 0203 Adolescent Psychology (3)

Practicum:
- MUSC 0324 Practicum: Music, Elementary (6)
- MUSC 0325 Practicum: Music, Secondary (6)

CONCENTRATION IN PERFORMANCE

Students will audition for admission into this Concentration; pass a qualifying examination before entering the fifth level of applied studies; and present a satisfactory junior performance.

- Required Music Major Core (35-41)
- Additional Applied Instrument or Voice (5)
- Music History Elective (3)
- Music Theory or Composition Elective (3)
- MUSC 0230 Basic Conducting (3)
- MUSC 0312 Form and Analysis (3)
- MUSC 0378 Senior Recital (0)

CONCENTRATION IN THEORY AND COMPOSITION

Required Music Major Core (35-41)

Music Classes
- MUSC 0156 Voice Class (.5)
- A minimum of four Instrumental Classes from: (2)
  - MUSC 0154 Woodwind Class (flute, clarinet, oboe, bassoon, sax)
  - MUSC 0155 Brass Class (trumpet, horn, trombone, tuba)
  - MUSC 0157 Percussion Class
  - MUSC 0158 String Class (violin, viola, cello, bass)

Theory/Composition Courses
- MUSC 0214 Composition I (2)
- MUSC 0215 Composition II (2)
- MUSC 0216 Composition III (2)
- MUSC 0230 Basic Conducting (3)
- MUSC 0303 Music in the Twentieth Century (3)
- MUSC 0312 Form and Analysis (3)
- MUSC 0217 Orchestration or
  - MUSC 0310 Counterpoint (3)
- One of the following: (3)
  - MUSC 0330 Choral Conducting
  - MUSC 0331 Instrumental Conducting
  - MUSC 0311 Advanced Music Theory
- MUSC 0314 Advanced Composition I or (2)
  - MUSC 0399 Independent Study

CONCENTRATION IN MUSIC HISTORY

Required Music Major Core	(35-41)
MUSC 0300 Music in the Middle Ages and Renaissance	(3)
MUSC 0301 Music in the Baroque Period	(3)
MUSC 0302 Music in the Classical and Romantic Periods	(3)
MUSC 0303 Music in the Twentieth Century	(3)
MUSC 0312 Form and Analysis	(3)
MUSC 0230 Basic Conducting	(3)

CONCENTRATION IN MUSICAL THEATRE

Required Music Major Core	(35-41)
Voice Class	(.5)
MUSC 0230 Basic Conducting	(3)
Musical Theatre Practicum (1-1-1-1)	(4)
ENGL 0252 Acting I and ENGL 0357 Acting II	(6)
ENGL 0353 Theatre Workshop or	(6)
ENGL 0254 Vocal Techniques and	(3)
ENGL 0251 Theatre Management	(3)
Dance Study by Special Arrangement	(2)

CONCENTRATION IN INSTRUMENTAL JAZZ STUDIES

Required Music Major Core	(35-41)
MUSC 0160 History of Jazz	(3)
MUSC 0264 Jazz Theory and Analysis	(3)
MUSC 0362 Jazz Improvisation I	(2)
MUSC 0364 Contemporary Harmonic Techniques	(3)
MUSC 0360 Stage Band Arranging I	(3)
MUSC 0361 Stage Band Arranging II	(3)
MUSC 0145 Jazz Ensemble	(1)
MUSC 0267/0268 Jazz Keyboard Harmony I, II	(2)
MUSC 0363 Jazz Improvisation II	(2)
Applied Jazz	(1)

CONCENTRATION IN VOCAL JAZZ

Required Music Major Core	(35-41)
MUSC 0160 History of Jazz	(3)
MUSC 0264 Jazz Theory and Analysis	(3)
MUSC 0362 Jazz Improvisation I	(2)
MUSC 0364 Contemporary Harmonic Techniques	(3)
MUSC 0365 Vocal Jazz Techniques	(3)
MUSC 0366 Vocal Jazz Arranging	(3)
MUSC 0267/0268 Jazz Keyboard Harmony I, II	(2)
MUSC 0146 Vocal Jazz Ensemble	(1)
Applied Jazz	(1)

CONCENTRATION IN MUSIC MERCHANDISING AND BUSINESS MANAGEMENT

Required Music Major Core	(35-41)
MUSC 0230 Basic Conducting	(3)
A minimum of 7 Instrumental Classes from:	(3.5)
MUSC 0154 Woodwind Class (flute, clarinet, oboe, bassoon, sax)	
MUSC 0155 Brass Class (trumpet, horn, trombone, tuba)	
MUSC 0158 String Class (violin, viola, cello, bass)	

Such that 2 credits are selected from: Violin, Trumpet, Clarinet, Cello, and Guitar and 1.5 credits are selected from Oboe, Flute, Saxophone, Horn, Trombone

Business Course Work

MGMT 0221 Business Management	(3)
MGMT 0231 Marketing Management	(3)
MGMT 0104 Accounting I	(3)
MGMT 0302 Small Business Management	(3)

MUSIC MAJOR - NO SPECIFIC CONCENTRATION

Required Music Major Core	(35-41)
Music Theory and Music History Electives	(9)
Ensembles	(1)

MUSIC MINOR (Total Credits 15)

MUSC 0112 Music Theory II	(3)
MUSC 0211 Music Theory III	(3)
Applied Music	(3)
MUSC 0230 Basic Conducting	(3)
MUSC 0200 Music History I or MUSC 0201 Music History II	(3)

COURSES

THEORY AND COMPOSITION

MUSC 0110 BASIC MUSIC THEORY (3) An introduction to the fundamental aspects of music making including rhythm, notation, scales, intervals, chords, beginning harmony, sight singing, ear training, and keyboard harmony.

MUSC 0111 MUSIC THEORY I (3) An introductory music theory course combining the study of notation, scales, intervals, chord construction, rhythm, melody, harmonic progression, voice leading, and keyboard harmony.

MUSC 0112 MUSIC THEORY II (3) A continuation of MUSC 0111 with an emphasis on harmonic analysis, cadences, beginning formal analysis, non-chord tones, and an introduction to chromatic harmony. Prerequisite: MUSC 0111.

MUSC 0113 SIGHT SINGING AND EAR TRAINING I (1) An introductory course in elementary musicianship skills emphasizing sight singing, ear training and rhythmic reading.

MUSC 0114 SIGHT SINGING AND EAR TRAINING II (1) A continuation of MUSC 0113. Studies in intermediate musicianship skills emphasizing sight singing, ear training and rhythmic reading. Prerequisite: MUSC 0113.

MUSC 0211 MUSIC THEORY III (3) A continuation of MUSC 0112 emphasizing the study of extended chords, chromatic harmony, modulation, and the continued development of analytical techniques. Prerequisite: MUSC 0112.

MUSC 0212 MUSIC THEORY IV (3) A continuation of MUSC 0211 with emphasis upon twentieth century materials and techniques including non-traditional scales, serialism, set theory, and developments in rhythm and form. Prerequisite: MUSC 0211.

MUSC 0213 SIGHT SINGING AND EAR TRAINING III (2) A continuation of MUSC 0114. Continued studies in intermediate musicianship skills emphasizing sight singing, ear training and rhythmic reading. Additional emphasis given to score reading, instrumental transposition, and the interpretation of scores through formal analysis. Prerequisite: MUSC 0114.

MUSC 0214 COMPOSITION I (2) An introduction to basic compositional techniques in music. Creative work in smaller forms. Prerequisite: MUSC 0112.

MUSC 0215 COMPOSITION II (2) Emphasis is upon varied instrumental and vocal media. Includes an introduction to Twentieth-Century Compositional Techniques. Prerequisites: MUSC 0211 and MUSC 0214.

MUSC 0216 COMPOSITION III (2) Emphasis is upon individual projects. Performance of original works will be encouraged. Prerequisites: MUSC 0212 and MUSC 0215.

MUSC 0217 ORCHESTRATION (3) A study of the technical aspects of each instrument to include ranges and transposition. Score analysis and arranging for various combinations of instruments. Prerequisites: MUSC 0112 and Instrument Classes.

MUSC 0223 SIGHT SINGING AND EAR TRAINING IV (2) A continuation of MUSC 0213. Studies in advanced musicianship skills emphasizing sight singing, ear training and rhythmic reading. Additional emphasis given to score reading, instrumental transposition, and the interpretation of scores through formal analysis. Prerequisite: MUSC 0213.

MUSC 0310 COUNTERPOINT (3) A review of species counterpoint will lead to a study of tonal counterpoint in the style of the 18th Century. Analysis of representative works will complement the written work in from two to four voices, culminating in efforts in such forms and techniques as the invention, canon, invertible counterpoint, and fugue. Prerequisite: MUSC 0112.

MUSC 0311 ADVANCED MUSIC THEORY (3) A continuation of MUSC 212, further exploring materials and techniques of twentieth century music. Includes and introduction to the works of contemporary music theorists and an overview of current theoretical trends. Prerequisites: MUSC 0212 and MUSC 0312.

MUSC 0312 FORM AND ANALYSIS (3) An introduction to the analysis of musical forms. Works analyzed: 17th century to late 19th century compositions. Prerequisite: MUSC 0212.

MUSC 0314 ADVANCED COMPOSITION I (2) Continuation of Composition III. Performances of original works will be required. Prerequisite: MUSC 0312.

MUSC 0399 INDEPENDENT STUDY (Theory and Composition) (3-6). Permission of instructor.

MUSIC HISTORY, LITERATURE, AND APPRECIATION

MUSC 0101 MUSIC APPRECIATION (3) The study of masterpieces of music from each era, from the Middle Ages through contemporary times. Emphasis is on directed listening and music is analyzed with reference to style characteristics.

MUSC 0103 MUSIC APPRECIATION (Music majors) (3) The study of music of each era, from the Middle Ages through contemporary times. Music is analyzed through directed listening, through the use of musical scores, and with reference to style characteristics.

MUSC 0104 WORLD MUSIC (3) A survey of world music literature including the music of non-Western cultures: China, India, and the Near East; the tribal music of Africa and its influence on the music of South America and the Caribbean area; the lesser known music of the Western world including Iceland, Ireland, and the Indians of America. Designed for Honors students of the college. Prerequisite: MUSC 0101 or permission of instructor.

MUSC 0160 HISTORY OF JAZZ (3) The study of jazz music from the early 1900's to the present. Emphasis on styles and trends of major jazz performers and ensembles within each period.

MUSC 0200 MUSIC HISTORY I (3) A chronological study of the history of musical styles showing the development of musical forms from the Middle Ages through the Baroque Era.

MUSC 0201 MUSIC HISTORY II (3) A continuation of Music History I. The study of musical forms as developed from the Classical Era through the Twentieth Century.

MUSC 0300 MUSIC IN THE MIDDLE AGES AND RENAISSANCE (3) A chronological study of forms and styles of Western Music from Antiquity through the Sixteenth Century. Prerequisite: MUSC 0103, MUSC 0200, and MUSC 0201 or permission of instructor.

MUSC 0301 MUSIC IN THE BAROQUE ERA (3) The history of music from 1600 to 1750 with emphasis on the musical styles of Monteverdi, Bach, and Handel. Prerequisite: MUSC 0103, MUSC 0200, MUSC 0201 or permission of instructor.

MUSC 0302 MUSIC IN THE CLASSIC AND ROMANTIC ERAS (3) A study of the forms and styles of music from 1740 to 1900. Prerequisite: MUSC 0103, MUSC 0200, MUSC 0201 or permission of instructor.

MUSC 0303 MUSIC IN THE TWENTIETH CENTURY (3) A study of changing styles of music from the late German Romanticists through the experimental music of contemporary times. Prerequisites: MUSC 0103, MUSC 0200 and MUSC 0201 or permission of instructor.

MUSC 0399 INDEPENDENT STUDY (Music History) (3-6). Permission of instructor.

MUSIC EDUCATION

MUSC 0221 MUSIC CURRICULUM AND INSTRUCTION (3) A field-based methods course including an overview of curriculum and principles of music education grades N-12. Administration of ensembles and classroom music courses. Twenty-five (25) hours of field experience in selected public schools are required with documentation.

MUSC 0230 BASIC CONDUCTING (3) Basic techniques of conducting including baton techniques; simple, compound, and asymmetrical meters; expression and interpretation through laboratory experiences. Prerequisites: MUSC 0112 and MUSC 0103.

MUSC 0319 VOCAL TECHNIQUE AND PEDAGOGY (3) Á specialized course for vocal music majors which explores details of vocal placement, resonance, diction and physiology. Includes techniques for training children's voices and the adolescent changing voice. Prerequisite: MUSC 0171.

MUSC 0322 ELEMENTARY MUSIC METHODS (3) A survey of music literature, materials and current teaching techniques appropriate for the elementary school vocal music program. Consideration is given to identifying goals and developing sequential musical experiences. Assignments in area public/private schools will be required throughout the semester. Prerequisites: PSYC 0301, MUSC 0156, Piano Proficiency, and MUSC 0221.

MUSC 0323 BEHAVIORAL TECHNIQUES IN MUSIC (3) A field-based methods course emphasizing the application of behavioral principles in music rehearsals and classes. Twenty-five (25) hours of field experience in selected public schools are required with documentation. Prerequisites: PSYC 0101 and MUSC 0221.

MUSC 0324 PRACTICUM: MUSIC, ELEMENTARY (6-12) A full-time unpaid apprenticeship with a co-operating practitioner at the elementary level, supervised by college music faculty. Scheduled to include a minimum of 135 hours of direct instructional responsibility. Periodic on campus seminars are required. Prerequisite: Completion of all required courses for elementary certification.

MUSC 0325 PRACTICUM: MUSIC, SECONDARY (6-12) A full-time unpaid apprenticeship with a co-operating practitioner at the secondary level, supervised by college music faculty. Scheduled to include a minimum of 135 hours of direct instructional responsibility. Periodic on campus seminars are required. Prerequisite: Completion of all required courses for secondary certification.

MUSC 0332 INSTRUMENTAL MUSIC EDUCATION (3) A field-based methods course emphasizing teaching materials, music literature and teaching techniques for instrumental and general music in elementary, middle, and high schools. Twenty-five (25) hours of field experience in selected schools are required, with documentation. Prerequisites: MUSC 0221, MUSC 0230.

MUSC 0333 VOCAL MUSIC EDUCATION (3) A field-based methods course emphasizing teaching materials, music literature and teaching techniques for vocal and general music in the elementary, middle, and high schools. Twenty-five (25) hours of field experience in selected schools are required, with documentation. Prerequisites: MUSC 0221, and MUSC 0230.

MUSC 0399 INDEPENDENT STUDY (Music Education) (3-6). Permission of instructor.

CONDUCTING

MUSC 0330 CHORAL CONDUCTING (3) The development of conducting techniques in relation to rhythmic/melodic exercises. Basic techniques of choral conducting, voice production, choral literature and performance practices. Prerequisites: MUSC 0201, MUSC 0211 and MUSC 0230.

MUSC 0331 INSTRUMENTAL CONDUCTING (3) Conducting and score reading of standard orchestral repertoire. Attention is given to the broader aspects of style, interpretation, terminology, transposition and the detailed aspects of baton technique. Prerequisites: MUSC 0201, MUSC 0211, and Instrument Classes.

MUSC 0399 INDEPENDENT STUDY (Conducting) (3-6). Permission of instructor.

PERFORMING ENSEMBLES

MUSC 0140 CHORALE (.5) Membership by audition. Mixed voices emphasizing the acappella tradition, the Chorale also performs with orchestra. Extensive performance schedule on and off campus. Literature spans all periods of music history. The Chorale tours every spring. May be repeated for credit.

MUSC 0141 COLLEGE CHORUS (.5) Mixed voices, no audition required. Performs on and off campus at least twice each semester. Literature covers all periods of music history with emphasis on major works. May be repeated for credit.

MUSC 0143 THE WIND SYMPHONY (.5) Open to all qualified students through the successful completion of an audition. Dedicated to the finest in wind-instrument repertory. Several concerts, both on and off campus each year. May be repeated for credit.

MUSC 0145 JAZZ ENSEMBLE (.5) A group of instrumentalists who perform arrangements in the Jazz and other popular idioms. By audition only. May be repeated for credit.

MUSC 0146 JAZZ VOCAL ENSEMBLE (.5) A group of sixteen singers and instrumentalists who perform arrangements in the Jazz and contemporary idioms. Semi-choreographed. By audition only. May be repeated for credit.

MUSC 0147 LAB JAZZ BAND (.5) A jazz ensemble of flexible instrumentation. Repertoire includes contemporary and experimental jazz selections. May be repeated for credit.

MUSC 0240 CHAMBER ENSEMBLES (.5) By special arrangement. Small ensembles structured according to student interest and available faculty expertise. Recently offered: Brass Quintet, Woodwind Quartet, Accordion Ensemble, Percussion Ensemble, Trombone Choir, Horn Ensemble, Opera Workshop and others. May be repeated for credit.

MUSC 0266 SMALL GROUP JAZZ WORKSHOP (.5) The study of Jazz literature, current improvisational techniques and the performance practice made popular by the so-called "jam session."

JAZZ STUDIES

MUSC 0260-0263 APPLIED JAZZ I-IV (1-1-1-1) Study on the student's principal instrument of the techniques and stylistic considerations in the performance of Jazz. Prerequisite: MUSC 0174-0177.

MUSC 0264 JAZZ THEORY AND ANALYSIS (3) The study of jazz techniques and fundamentals including: improvisation, scales, chords, and rhythmic interpretation of jazz phrases. Prerequisite: MUSC 0111.

MUSC 0267-0268 JAZZ KEYBOARD HARMONY I-II (1-1) Classroom piano instruction for students interested in jazz. Emphasis on II-V-I progressions, Blues forms, and other chord functions. Prerequisite: MUSC 0264.

MUSC 0360-0361 STAGE BAND ARRANGING I-II (3-3) A study of writing techniques for jazz ensembles, rock groups, and other ensembles. Prerequisites: MUSC 0264 and MUSC 0364.

MUSC 0362-0363 JAZZ IMPROVISATION I-II (2-2) Classes for developing skills in harmonic, melodic, and rhythmic improvisation through performance. Prerequisite: MUSC 0264.

MUSC 0364 CONTEMPORARY HARMONIC TECHNIQUES (3) Twentieth century chordal structures including extended chords, chromatic harmony, and harmonic substitutions. The keyboard will be used and all scoring will be for piano. Prerequisites: MUSC 0211 and MUSC 0264.

MUSC 0365 JAZZ VOCAL TECHNIQUES (3) A class for developing Jazz vocal phrasing, interpretations, and style. Scat singing is emphasized.

MUSC 0366 JAZZ VOCAL ARRANGING (3) A class for developing writing skills for Jazz vocal solos, duets, small and large ensembles. Notation is emphasized.

MUSC 0367 CHORD SCALES (2) The advance study of chord extensions, substitutions and alterations relating to scales and melody for use in instrumental solo playing and arranging. Prerequisites: MUSC 0110, MUSC 0111, MUSC 0262, and MUSC 0362.

MUSC 0399 INDEPENDENT STUDY (Jazz Studies) (3-6). Permission of instructor.

MUSICAL THEATRE

MUSC 0180 MUSICAL THEATRE PRACTICA (1) Participation for a semester in the Musical Theatre Guild production, in one of the following capacities: (a) Director, Musical Director, Choreographer, or Conductor, (b) Major or minor lead part, (c) Chorus plus serving on one crew. May be repeated for credit. Prerequisite: Enrollment in the Musical Theatre Concentration.

MUSC 0399 INDEPENDENT STUDY (Musical Theatre) (3-6). Permission of instructor.

APPLIED MUSIC CLASSES: To be selected by advisement.

MUSC 0152, 0153, 0252, 0253 PIANO CLASS I-IV (for Music Majors) (.5-.5-.5-.5) A keyboard class designed to develop practical playing skills. Begins with emphasis on fundamental piano techniques, moves through emphasis on chording, accompanying, and improvising and sight reading, and concludes with the learning of assigned compositions and the development of transpositional skills.

MUSC 0154 WOODWIND CLASS (.5) The focus will be on either Flute, Oboe/Bassoon, Clarinet, or Saxophone. Involves classroom study of the particular instrument through practical experience in performance to the extent that the student can demonstrate a knowledge of the basic fundamentals of embouchure, fingerings, breathing and tone production, as they apply to the particular instrument being studied.

MUSC 0155 BRASS CLASS (.5) (Trumpet, Horn, Trombone, or Tuba) Classroom study of the particular instrument through practical experience in performance to the extent that the student can demonstrate a knowledge of the basic fundamentals of embouchure, fingerings, breathing and tone production as they apply to the particular instrument being studied.

MUSC 0156 VOICE CLASS (.5) A course designed to meet the needs of the non-voice major in the Music major program. The class is conducted in the form of a vocal laboratory, in which the students work on the development of skills necessary for good singing. Offered Fall, odd-numbered years, for non-voice majors.

MUSC 0157 PERCUSSION CLASS (.5) The study and acquisition of skills applicable to the various instruments of the percussion section.

MUSC 0158 STRING CLASS (.5) (Violin, Viola, Violoncello, or String Bass) Classroom study on a particular instrument. Practical experience in performance to the extent that the student can demonstrate a knowledge of the basic fundamentals of bowing, fingerings, and tone production as they apply to the particular instrument.

APPLIED MUSIC LESSONS

Private music lessons, required of all Music majors and Music minors, are provided by the Applied Music Studies Faculty. Music majors are exempt from applied music instruction fees for those hours specifically required for graduation, within their individual programs.

MUSC 0170-0173 APPLIED MUSIC (MINOR) I-IV
.5-.5-.5-.5

MUSC 0174-0177 APPLIED MUSIC (MAJOR) I-IV
1-1-1-1

MUSC 0270-0273 APPLIED MUSIC (MINOR) V-VIII
.5-.5-.5-.5

MUSC 0274-0277 APPLIED MUSIC (MAJOR) V-VIII
1-1-1-1

MUSC 0374-0377 APPLIED MUSIC (MAJOR) IX-XII
1-1-1-1

A prerequisite to all first-year applied music study (major) is a satisfactory entrance audition. Students enroll in applied music study (major) on one instrument from the following list

Accordion	Horn	Trombone
Bassoon	Oboe	Trumpet
Clarinet	Organ	Tuba
Classical Guitar	Percussion	Viola
Euphonium	Piano	Violin
Flute	Saxophone	Violincello
Harpsichord	String Bass	Voice

Applied music study (minor) is generally taken only for elective credit. Any of the above instruments may be elected for Minor study. Syllabi which detail the requirements for each level are available through a separate departmental publication.

Syllabi which detail the requirements for each level of applied music study are available through a separate departmental publication. A Juried Examination is required for the completion of each level. Applied instrument (minor) study does not require a Jury Examination at the end of each semester.

MUSC 0278 RECITAL ATTENDANCE AND PERFORMANCE (.5) Attendance and performance at Wednesday Musicales. Attendance at all scheduled musicales for the semester with two absences only. Students must perform in a solo capacity in three of the six required semesters. Pass/Fail.

MUSC 0378 SENIOR RECITAL (0) Complete public recital of solo and ensemble (optional) literature from the standard repertoire (sixty minutes minimum playing duration). Prerequisite: A satisfactory junior performance; prerequisite to the junior performance is a satisfactory qualifying examination.

PHILOSOPHY

PHILOSOPHY MINOR

Students who wish to add significant philosophic depth to their undergraduate program may take a minor in Philosophy. The minor consists of 18 credits of Philosophy courses. The Philosophy Department does not require a rigid sequence of courses but relies on advising to integrate the minor and the student's educational needs and interests.

The philosophy faculty intends to provide courses to achieve the following:

* opportunities in all offerings for insight into and the methods for rigorous, carefully articulated, dynamic criticism of ideas and theories in general

* detailed, multi-level treatments of certain well-defined and traditionally important areas of thought such as political and social philosophy, ethics, logic, religion, philosophy of science, and philosophies of the human sciences

* a comprehensive range of courses outlining the development of Western philosophies and identifying significant thinkers, with a particular emphasis on modern and contemporary implications

* frequent and thorough analyses of issues which can utilize fruitfully and provocatively interdisciplinary perspectives and the application of antithetical as well as complementary theories of knowledge

* study of issues in ways which heighten and promote the continued vitality of a liberal arts education, especially the analytical and critical breadth which the humanities provide.

The Department expects to advance these goals in part by often scheduling courses on topical and timely subjects.

The courses which follow are divided into three levels, varying by degree of difficulty and requirements for entrance. Level One courses have no prerequisites and are open to all students in the College. Level Two courses generally have some form of prerequisite, though under special circumstances these may be waived. Level Three courses usually contain more difficult material; prerequisites should be expected, though not necessarily only in philosophy. In all cases, however, the instructor may waive prerequisites so as to give students opportunities to undertake a serious intellectual challenge.

COURSES

PHIL 0101 INTRODUCTION TO SOCIAL AND POLITICAL PHILOSOPHY (3) Introduction to philosophy by studying the social and political ideas, images, and language of contemporary culture through topics such as liberty, order and freedom, values and projects of late 20th century cultural and social movements, and the institutions of socio-political life. Readings of primary sources, oral presentations, and significant writing required. Special attention given to improving critical analysis.

PHIL 0102 INTRODUCTION TO ETHICS (3) Introduction to philosophy through consideration of classic and contemporary theories of morality and the best life. Topics may include the concepts of freedom, happiness, justice, dignity, virtue, right/wrong, good/bad, alienation, loneliness, obligation, responsibility, rights and duties, as well as the structure of morality. Special attention is given to the fundamentals of critical analysis.

PHIL 0103 SYMBOLIC LOGIC I (3) An introduction to standard, first-order propositional calculus and natural deduction. Topics to include: identifying and classifying inference as emotive, inductive or deductive; judging inference as tautologous, contingent, or contradictory; distinguishing between the truth of statements and the validity of arguments; identifying valid argument forms and substitution rules; evaluating truth-functions using natural deduction; evaluating arguments using alternative truth table techniques, forcing, direct proof, indirect proof, conditional proof, and the strengthened rule of conditional proof.

PHIL 0104 GREAT PHILOSOPHICAL ISSUES (3) Introduction to philosophy through consideration of historically recurrent themes such as the concepts of knowledge/belief/faith, the natures of appearance and reality, the mind/body problem, freedom, free will, determinism, social justice, and moral values. Special attention is given to the fundamentals of critical analysis and the interpretation of original texts.

PHIL 0107 MAJOR RELIGIONS OF THE WEST (3) Introduction to the history and the major doctrines of Christianity, Islam, Judaism, and Zoroastrianism. Special attention given to fundamentals of philosophical analysis of religious beliefs.

PHIL 0108 MAJOR RELIGIONS OF THE EAST (3) Introduction to the history and major doctrines of Buddhism, Confucianism, Hinduism, Jainism, Shinto, Sikhism, and Taoism. Special attention to the fundamentals of philosophical analysis of religious beliefs.

PHIL 0109 INTRODUCTION TO PHILOSOPHY OF RELIGION (3) Introduction to philosophy through analysis of religious beliefs and values. Significant topics include the problem of the existence of god(s), the nature of faith, the nature of god(s) and reality, the question of religious revelation, the reliability of religious experience, as well as the sociological and psychology import of religious belief. Special attention is given to the fundamentals of critical analysis and the interpretation of original texts.

PHIL 0110 INTRODUCTION TO PHILOSOPHY OF SCIENCE (3) Introduction to classical and contemporary scientific world views and their respective philosophies of nature. Topics such as comparative studies of major scientific revolutions. Special attention given to the fundamentals of philosophical analysis of scientific theories.

PHIL 0200 SPECIAL TOPICS IN PHILOSOPHY: (3) Careful analytical treatment of selected philosophical issues, perspectives, or themes chosen for their timely interest. Significant topics such as Marxism, Eastern philosophies, myth and reality, minds and machines, and philosophy and the arts (music, film, drama, literature, painting, design, or sculpture; aesthetics). Prerequisite: 0100-level philosophy course or equivalent.

PHIL 0201 ANCIENT PHILOSOPHY (3) Reading and discussions of such ancient thinkers as the pre-Socratics, Socrates, Democritus, Plato, and Aristotle. Special attention to organizing ancient philosophical thought by examining historically recurrent themes; considering dominant perspectives such as Ionian nature-philosophy, atomism, skepticism, and Pythagoreanism. Prerequisite: 0100-level philosophy course or equivalent.

PHIL 0202 MODERN PHILOSOPHY: 15TH TO 18TH CENTURIES (3) Reading and discussion of selected major Continental and British thinkers of the period such as Cusanus, Bacon, Descartes, Pascal, Locke, and Kant. Special attention given to organizing early modern philosophical thought by examining historically recurrent themes; considering crucial developments such as the New Physics, the tensions of form and experiment, and the conflict between reason, doubt, and revelation. Prerequisite: 0100-level philosophy course or equivalent.

PHIL 0203 MODERN PHILOSOPHY: THE 19TH CENTURY (3) Reading and discussion of selected major Continental and British thinkers of the century such as Hegel, Marx, Kierkegaard, Nietzsche, Darwin, and Mach. Special attention to organizing 19th century philosophical thought by examining historically recurrent themes; considering trends such as Romanticism, Marxism, subjectivism, naturalism, and mechanism. Prerequisite: 0100-level philosophy course or equivalent.

PHIL 0206 SYMBOLIC LOGIC II (3) A continuation of Symbolic Logic I. Introduction to standard, higher-order predicate calculus. Topics to include: proving validity using preliminary and complete quantification rules; forcing invalidity of singular and multiply-general propositions; proving validity using modal operator rules; constructing relational predicates using the theory of relations; constructing definite descriptions using identity rules, and deducing attributes of attributes using predicate variables. Prerequisite: PHIL 0103 or its equivalent.

PHIL 0211 ASIAN PHILOSOPHY (3) Careful analytical treatment of major Asian philosophies such as Buddhism, Confucianism, Hinduism, Jainism, Shinto, Sikhism, Taoism, and Zen. Special attention is given to the fundamentals of philosophical analysis and the interpretation of original texts in translation.

PHIL 0212 PHILOSOPHY OF SCIENCE (3) Careful analytical treatment of the conceptual foundations of scientific thought. Topics such as space, time, and relativity; determinism and indeterminism; causality and chance; alternative views of explanation, theory construction, truth. Special attention given to examples selected from mathematics and/or physical sciences. Prerequisite: PHIL 0110 or its equivalent.

PHIL 0213 PHILOSOPHY AND MODERN ORGANIZATIONS: (3) Careful analytical treatment of selected modern institutions so as to understand their philosophical presuppositions, ethics, languages, orders, and impact on and view of the person. Topical consideration of agencies, professions, and social groups such as those involved with medicine, the law, business, psychiatry and psychology, education, and government. Under this course number might appear biomedical, media, scientific, or legal ethics; philosophies of law or of jurisprudence, etc. Prerequisite: 0100-level philosophy course or equivalent.

PHIL 0214 PHILOSOPHY OF THE SOCIAL SCIENCES (3) Careful analytical treatment of knowledge in the social sciences. Comparisons with scientific criteria emphasized. Special attention given to relations between philosophical and social commitments and social-scientific methodologies. Prerequisite: 0100-level philosophy course or equivalent.

PHIL 0215 AMERICAN PHILOSOPHY (3) Reading and discussion of selected major American thinkers such as Cotton Mather, Edwards, Royce, Peirce, William James, Dewey, and Santayana. Special attention given to organizing American philosophical thought by examining historically recurrent themes (including the various religious, socio-cultural, and metaphysical views of the person, the group, knowledge itself, and ultimate-value systems advanced by such philosophers); considering perspectives such as idealism, utilitarianism, pragmatism, individualism, naturalism, and positivism. Prerequisite: 0100-level philosophy course or equivalent.

PHIL 0216 CONTEMPORARY PHILOSOPHY (3) Reading and discussion of selected thinkers of the 20th Century such as Sartre, de Beauvoir, Heidegger, Wittgenstein, Russell, Whitehead, and the "Vienna Circle." Special attention given to organizing contemporary philosophical thought by examining historically recurrent themes; considering perspectives such as existentialism, phenomenology, analytic philosophy, philosophies of language, and philosophies of liberation. Prerequisite: 0100-level philosophy course or equivalent.

PHIL 0217 PHILOSOPHY AND FILM (3) Study of film esthetics and concepts in selected movies and related intellectual movements, thinkers, or film-makers. Special emphasis on those informed by philosophical movements such as existentialism, Marxism, modernism,, or postmodernism. Topics drawn from cinema dealing with ethics, social and political philosophies, religious themes, or modern metaphysics, with attention to film criticism written by 20th century thinkers with philosophical training and interests. Prerequisite: 0100-level philosophy course or equivalent.

PHIL 0300 SEMINAR IN PHILOSOPHY: (3) Intensive analysis of selected issues, problems, figures, or areas in philosophy. Prerequisite: 0200-level philosophy course or consent of instructor.

PHIL 0304 SEMINAR IN INFERENCE AND INQUIRY: (3) Intensive analysis of the structures of inference and modes of inquiry in the formal, empirical, or human sciences. Topics selected from the mathematical, physical, biological, and social sciences. Special attention given to the logical, methodological, and epistemological status of models, laws, paradigms, and theories. Prerequisite: 0200-level philosophy course or consent of instructor.

PHIL 0305 SEMINAR IN VALUE THEORY: (3) Intensive analysis of selected issues, problems, figures, or areas concerned with topics such as free choice, "right action," personal commitment, systems of values, and socio-cultural norms. Prerequisite: 0200-level philosophy course or consent of instructor.

PHIL 0306 SEMINAR IN RELIGIOUS STUDIES: (3) Intensive analysis of selected issues, problems, figures and areas within the history and in the philosophical consideration of religious belief. Prerequisite: 0200-level philosophy course or consent of instructor.

PHIL 0333 SEMINAR IN INTERDISCIPLINARY STUDIES: (3) A seminar with intensive analysis of selected issues, problems, thinkers, or areas which can involve interdisciplinary perspectives or which raise traditionally interdisciplinary questions. Consideration of the forms, fundamental ideas, and structures of intellectual and academic disciplines. May be offered in conjunction with other departments. Prerequisite: 0200- or 0300-level course work or consent of instructor.

PHIL 0399 INDEPENDENT STUDY: (1 to 6 credits) Directed written or reading projects to be arranged by the student and instructor. Intensive analysis of student work. Prerequisite: advanced work in philosophy or other disciplines.

PHYSICAL SCIENCE

The Physical Science Department is a multidisciplinary department which includes physics, chemistry, electronics, geology, and astronomy and science education. The Department offers a Bachelor of Science degree in General Science with concentrations in general science or chemistry. The general science concentration is designed specifically for students who plan to teach general science at the elementary or middle school level. The chemistry concentration prepares students for high school teaching, graduate school or employment. Graduates have obtained positions as laboratory technicians and teachers. Students who choose to teach must also elect appropriate professional education courses.

The Department offers minor programs in General Science and Chemistry.

The Department is located on the third floor of Wilson Hall. It uses nine laboratories, each equipped with appropriate safety features. The chemistry labs have compressed air, vacuum, gas, steam, A.C. and D.C. power, and fume hoods. Several labs contain modern instruments and computers. The Department possesses infrared, ultraviolet, flame emission and atomic absorption spectrophotometers, gas and liquid chromatographs, and a chemical laboratory robotics system among other instruments.

GENERAL SCIENCE MAJOR

Students wishing to major in General Science may select either the general science concentration or the chemistry concentration.

GENERAL SCIENCE CONCENTRATION

Some graduates of the General Science Concentration have found work as laboratory technicians or have gone on to graduate school. However, this concentration is most appropriate for and is normally recommended only to those students who are planning to teach at the K-8 level. The student should choose the specific course work sequence appropriate for the certification they are planning to obtain.

REQUIRED FOUNDATION COURSES: (18 credits)

All students in the General Science Concentration must complete the following 10 hours of course work in geology and astronomy and must also complete 8 hours of course work in biology

Required courses in the physical sciences:		
PHYS 0103	Physical Geology with Laboratory	(4)
PHYS 0106	Historical Geology	(3)
PHYS 0133	Astronomy	(3)
Select two of the following biology courses:		
BIOL 0102	Environmental Biology	(4)
BIOL 0104	Human Biology	(4)
BIOL 0106	Biology Today	(4)

In addition to these foundation courses in the life, earth and space sciences, students must complete the additional work in science and mathematics required for the student's certification program.

OPTION I: ELEMENTARY OR SPECIAL EDUCATION CERTIFICATION (39 credits)

Students choosing this track are expected to complete a second major in elementary or special education.

Required Foundation Courses		(18)
PHYS 0107	Introduction to Chemistry	(4)
PHYS 0113	Introduction to Physics	(4)
PHYS 0330	Science, Technology and Society	(3)
GARP 0233	Meteorology	(3)
IDIS 0260	Elementary School Math and Science	(4)
Additional electives		(3)

ADDITIONAL ELECTIVES

Students must select, in consultation with their advisor, an additional 3 credits of course work, at the 0200-level or above, from courses in biology, chemistry, physics, earth and space sciences, or science education. The department recommends that these be one-credit seminars or special arrangement courses.

OPTION II: MIDDLE SCHOOL CERTIFICATION IN GENERAL SCIENCE (GRADES 5-8): (48 credits)

Required Foundation Courses		(18)
MATH 0104	Precalculus	(3)
PHYS 0109	General Chemistry I	(4)
PHYS 0111	General Chemistry II	(4)
PHYS 0115	General Physics I and Lab	(4)
PHYS 0117	General Physics II and Lab	(4)
One of the following		(4)
BIOL 0203	Genetics I	
BIOL 0205	Cell Biology	
BIOL 0219	Aquatic Biology	
BIOL 0223	Microbiology	
BIOL 0237	Human Anatomy and Physiology I	
One of the following:		(4)
PHYS 0201	Organic Chemistry I	
PHYS 0209	Analytical Chemistry	
Upper-level elective in science		(3)

UPPER LEVEL ELECTIVE IN SCIENCE

Students must select, in consultation with their advisor, an additional 3 credits of course work, at the 0200-level or above, from courses in biology, chemistry, physics, earth and space sciences, or science education.. The department strongly recommends that the student consider completing an applied experience through the College's co-operative education program or an internship as part of their upper level course work. Students intending to teach must also complete the Professional Sequence for Middle School Specialist.

REQUIREMENTS FOR CHEMISTRY CONCENTRATION: (49 credits)

The Chemistry Concentration is appropriate for students planning to teach chemistry at the secondary school level, and also for those who might be interested in pursuing careers for which a strong chemistry background is required.

MATH 0105	Calculus I *	(4)
MATH 0106	Calculus II	(4)
PHYS 0109	General Chemistry I	(4)
PHYS 0111	General Chemistry II	(4)
PHYS 0119	Physics I and Lab	(4)
PHYS 0121	Physics II and Lab	(4)
PHYS 0201	Organic Chemistry I	(4)
PHYS 0203	Organic Chemistry II	(4)
PHYS 0205	Physical Chemistry	(3)
PHYS 0209	Analytical Chemistry	(4)
PHYS 0211	Instrumental Analysis	(4)
PHYS 0213	Biochemistry	(3)

Students must also elect, in consultation with their advisor, an additional 3 hours of course work in science at the 0200-level or above. The department strongly recommends that a student consider completing an applied experience through the College's co-operative education program or an internship to satisfy this requirement.

* A student who does not feel sufficiently prepared to undertake Calculus should take Precalculus prior to enrolling in Calculus.

REQUIREMENTS FOR GENERAL SCIENCE OR CHEMISTRY CERTIFICATION

Certification may be earned for General Science (5-8) or Chemistry (9-12). Students wishing to be certified to teach at the Middle or Secondary School levels must complete the following:

All courses for the General Science major with a General Science or Chemistry Concentration with a minimum 2.5 GPA

The Professional Sequence for Middle and Secondary Specialist, described in the Education Department listings

The appropriate academic methods course:

PHYS 0231 Methods of Science Education for the Middle School

PHYS 0251 Methods of Chemistry Education

NOTE: A MINIMUM OVERALL CUM OF 2.8 IS REQUIRED FOR A PRACTICUM PLACEMENT BY THE EDUCATION DEPARTMENT.

REQUIREMENTS FOR THE MINOR IN GENERAL SCIENCE: (23 credits)

REQUIRED COURSES:

PHYS 0101 Physical Science or PHYS 0113 Introduction to Physics	(4)
BIOL 0102 Environmental Biology or BIOL 0104 Human Biology	(4)
PHYS 0107 Introduction to Chemistry or PHYS 0109 General Chemistry I	(4)
IDIS 0260 Elementary Mathematics and Science	(4)
PHYS 0103 Physical Geology with Laboratory	(4)
PHYS 0133 Astronomy	(3)

REQUIREMENTS FOR THE MINOR IN CHEMISTRY: (18-20 credits)

REQUIRED COURSES:

PHYS 0109	General Chemistry I	(4)
PHYS 0111	General Chemistry II	(4)

10 credit hours selected from the following courses:

PHYS 0201	Organic Chemistry I	(4)
PHYS 0203	Organic Chemistry II	(4)
PHYS 0205	Physical Chemistry	(3)
PHYS 0209	Analytical Chemistry w/lab	(4)
PHYS 0211	Instrumental Analysis	(4)
PHYS 0213	Biochemistry	(3)

COURSES

PHYS 0101 PHYSICAL SCIENCE (4) Includes the basic concepts of physics, chemistry, Earth-space science, and the application of scientific methodology to these areas. Topics may include mechanics, heat, sound, light, electricity, magnetism, atomic structure, chemical bonding, plate tectonics, the cycles of the Earth, and astronomy. The relationships of these concepts to societal issues are discussed.

PHYS 0103 PHYSICAL GEOLOGY WITH LABORATORY (4) A broad introductory survey of geology that focuses on the role of plate tectonic theory in providing a fundamental understanding of the Earth as a global system. The course also provides students with an introduction to scientific methodology and to the multifaceted interactions between science, technology and society. Topics to be covered include the minerals and rocks that make up the Earth's crust, the processes of weathering and erosion that shape the Earth's surface, the internal structure of the Earth, geological hazards, and energy and mineral resources. The laboratory portion of the course provides a "hands-on" introduction to the practical aspects of physical geology, including the identification of minerals and rocks, the interpretation of topographic and geologic maps, and the development of landforms. The course includes several field trips that involve additional time commitments (on weekends or beyond the normal ending time for the laboratory). Students may receive credit for either PHYS 0103 or PHYS 0104, but not for both.

PHYS 0104 PHYSICAL GEOLOGY (3) A broad introductory survey of geology that focuses on the role of plate tectonic theory in providing a fundamental understanding of the Earth as a global system. The course also provides students with an introduction to scientific methodology and to the multifaceted interactions between science, technology and society. Topics to be covered include the minerals and rocks that make up the Earth's crust, the processes of weathering and erosion that shape the Earth's surface, the internal structure of the Earth, geological hazards, and energy and mineral resources. Students may receive credit for either PHYS 0103 or PHYS 0104, but not for both.

PHYS 0106 HISTORICAL GEOLOGY (3) A survey of Earth history (with an emphasis on North America) and on the scientific principles on which that history has been based. The course also provides students with an introduction to scientific methodology and the multifaceted interactions between science, technology, and society. Topics to be covered include the interpretation of sedimentary rock sequences in terms of depositional environments, the history of life on earth as inferred from the fossil record, and a synthesis of Earth history in terms of plate tectonics.

PHYS 0107 INTRODUCTION TO CHEMISTRY (4) This one-semester course introduces fundamental concepts of modern chemistry in the context of materials and processes that are familiar to students. Current issues and common observations will be used as a gateway to explore chemical principles on an atomic level. The impact of advances in chemistry on society will be investigated. Topics studied will include atomic and molecular structure, physical and chemical changes, acid-base chemistry, organic chemistry and biochemistry. The context in which these topics are discussed may include the chemical production of energy (electrical, solar, and nuclear), food chemistry, environmental chemistry (acid rain and global warming) and the use of chemistry in solving crimes (forensic chemistry). Three hours lecture, two hours laboratory per week.

PHYS 0109 GENERAL CHEMISTRY I (4) A broad look at the fundamental concepts of modern chemistry including the mole concept, stoichiometry, thermochemistry, the periodic law, atomic structure, chemical bonding, and gas phase chemistry. Topics will be related to ethical issues, societal impact, and human behavior when appropriate. Three hours lecture, three hours laboratory per week.

PHYS 0111 GENERAL CHEMISTRY II (4) A continuation of General Chemistry I. the topics covered include solid, liquid, and solution chemistry; chemical equilibrium; chemical kinetics and chemical reactions; acid-base theory; electrochemistry; nuclear chemistry; and selected topics. Topics will be related to ethical issues, societal impact, and human behavior when appropriate. Three hours lecture, three hours laboratory per week. Prerequisite: PHYS 0109.

PHYS 0113 INTRODUCTION TO PHYSICS (4) A largely non-mathematical introduction to the methodology and content of physics, and to the multifaceted interactions between science, technology and society. Topics from both classical and modern physics will be introduced, including Newton's laws of motion, thermodynamics, sound, light, electricity, magnetism, special relativity, and quantum mechanics. Links between physics, biology, geology, astronomy and technology will be explored. Laboratory work is an integral part of the course and emphasizes a 'discovery' approach.

PHYS 0115 GENERAL PHYSICS I (4) Newtonian mechanics is the dominant theme of General Physics I. Kinematics, Newton's laws of motion, the law of gravity, and the conservation laws provide a framework for applications to statics, orbital motion, two body collisions, rigid body dynamics and harmonic oscillators. Thermodynamics is introduced and continued into the second semester (General Physics II). Weekly laboratory work is used to allow students to "discover" and demonstrate general principles. Dimensional analysis is used as a technique for building hypotheses that can be tested in a lab. Computerized measurements and simulations are introduced. Mathematical prerequisites are high school algebra and trigonometry. The concepts of slope and area under the curve are used throughout the course, but formal calculus is not required.

PHYS 0117 GENERAL PHYSICS II (4) A continuation of General Physics I (algebra-based physics). The major topic for the second semester is classical electromagnetism. Topics to be covered include Coulomb's Law, electric potentials, electric and magnetic fields, electromagnetic induction, simple AC and DC circuits, and an introduction to optics. Additional topics may include thermodynamics and/or an introduction to special relativity. Three hours lecture, one hour discussion, and two hours of laboratory work per week. Prerequisite: PHYS 0115.

PHYS 0133 ASTRONOMY (3) A broad introductory survey of astronomy that also provides students with an introduction to scientific methodology and the multifaceted interactions between science, technology, and society.. Topics to be covered include the history of astronomy, basic observations of the night sky, the solar system, stars and stellar evolution, supernovae, pulsars, black holes, the Milky Way galaxy and other galaxies, cosmology, and the search for extra-terrestrial intelligence.. Several optional observing sessions will be held on clear evenings.

PHYS 0137 INTRODUCTION TO DIGITAL ELECTRONICS (3) This course is intended for students majoring in one of the sciences (Computer Science, Biology, Psychology, or General Science) or others who might expect a knowledge of basic electronics, digital logic and practical instrumentation to be useful. Basic electricity, electrical measurements, and electronic components including integrated circuits will be introduced. The course will emphasize applications using numerous practical or computer related activities.

PHYS 0201 ORGANIC CHEMISTRY I (4) A survey of general organic chemistry. Preview of chemical principles; the structure, nomenclature, properties and uses of aliphatic and aromatic compounds. Discussion includes the isolation and identification of organic compounds, nucleophilic displacement and elimination reactions and organometallic compounds. Three hours lecture, three hours laboratory per week. Prerequisite: PHYS 0111.

PHYS 0203 ORGANIC CHEMISTRY II (4) A continuation of Organic Chemistry I. The chemistry, properties and uses of alcohols, ethers, aldehydes, ketones, and organic acids are studied. Stereochemistry of organic structures are discussed. Carbohydrates, amino acids, proteins, and related biological processes are considered in emphasizing the life sciences and biochemical reactions. Three hours lecture, three hours laboratory per week. Prerequisite: PHYS 0201.

PHYS 0205 PHYSICAL CHEMISTRY (3) Investigates the structure and properties of matter. The course involves detailed studies of the gas laws, kinetic-molecular theory, thermodynamics, thermochemistry, physical and chemical equilibria, and chemical bonding. Prerequisites: PHYS 0111, MATH 0106.

PHYS 0209 ANALYTICAL CHEMISTRY (4) Consists of lectures, discussions, and laboratory work, covering the fundamentals of analysis. Study includes gravimetric analysis, volumetric analysis, and the statistical treatment of data. A main aspect of lecture will be the application of equilibrium to acid-base, precipitation, redox, and complex formation reactions. An important objective of the laboratory is the development of good laboratory technique. Three hours lecture, three hours laboratory per week. Prerequisite: PHYS 0111.

PHYS 0211 INSTRUMENTAL ANALYSIS (4) Consists of lectures, discussions, and laboratory work covering the fundamentals of analysis. Emphasis will be on modern methods of instrumental analysis. Three hours lecture, three hours laboratory per week. Prerequisite: PHYS 0209.

PHYS 0213 BIOCHEMISTRY (3) The first portion of this course will study important biochemicals including water, amino acids, peptides, proteins, enzymes, carbohydrates, lipids, and nucleotides. The latter portion will examine the relationship of these compounds to bioenergetics, glycolysis, the tricarboxylic acid cycle, electron transport, oxidative phosphorylation, fatty acid oxidation and biosynthesis, carbohydrate biosynthesis, nitrogen and amino acid metabolism, protein synthesis, and photosynthesis. An effort will be made to correlate the various metabolic pathways with the cells and organelles of biological systems. Special topics may be covered if time should be available. 3 hour lecture. Prerequisite: PHYS 0201

PHYS 0229 THEORETICAL & EXPERIMENTAL RESEARCH (1-3) A total of 6 credits may be applied to the undergraduate degree. This course involves independent study in a physical science with the student performing a laboratory or theoretical research project under the supervision of an instructor. Prerequisite: Approval of Department.

PHYS 0230 EARTH AND SPACE SCIENCES SEMINAR (1) Offers students a chance to pursue topics in astronomy, geology, or related fields at a level beyond that of the introductory courses in those areas. One or more topics from a single discipline will serve as a focus for the course each semester. Topics will vary depending on the interests of the instructor and the students. Active student participation is required. May be repeated for credit with a different topic. Prerequisite: permission of the instructor.

PHYS 0231 METHODS OF SCIENCE EDUCATION FOR THE MIDDLE SCHOOL/JR. HIGH SCHOOL (3) This course emphasizes the inquiry approach to teaching science. Students will be introduced to the National Science Foundation Developed Science Programs and the current curricula based on these programs. Students will make a series of planned observations in area schools. These observations will be the basis for discussion of topics including: teacher-student interaction; introduction, presentation and summary of a lesson; evaluation; discipline; laboratory procedures and safety. Students will also present lessons to both their classmates and to one of the classes which they have observed. Other areas presented in this course will include professional organizations and journals, science software, audiovisual materials and IEPs.

PHYS0236 SPECIAL TOPICS IN CHEMISTRY (1) Course offers students an opportunity to study topics in chemistry at a level beyond that of the introductory courses in those areas. One or more topics will serve as a focus for the course each semester. Topics will vary, depending on the interests of the instructor and the students, and will often be interdisciplinary. Active student participation is required. May be repeated for credit with a different topic. Prerequisite: PHYS 0107 or equivalent.

PHYS0237 SPECIAL TOPICS IN PHYSICS (1) Course offers students an opportunity to study topics in physics at a level beyond that of the introductory courses. Topics will vary, depending on the interests of the instructor and the students. Active student participation is required. May be repeated for credit with a different topic. Prerequisite: PHYS 0113 or equivalent.

PHYS 0251 METHODS OF CHEMISTRY EDUCATION (3) Emphasizes the inquiry approach to teaching chemistry. Students will be introduced to the National Science Foundation Developed Chemistry Programs and the current curricula based on these programs. Students will make a series of planned observations in area schools. Observations will be the basis for discussion of topics including: evaluation; discipline; laboratory procedures and safety. Students will also present lessons to both their classmates and to one of the classes which they have observed. Other areas presented in this course will include professional organizations and journals, chemistry software, audiovisual and IEPs. Prerequisite: 24 hours in Chemistry.

PHYS 0330 SCIENCE, TECHNOLOGY AND SOCIETY (3) A broad survey of the history of science, the interplay between scientific and technological advances, and the impacts of science and technology on society. The course will include an in-depth look at the scientific and technological aspects of issues such as the rapid growth of information technology, twenty-first century transportation, energy and mineral resources,(including the environmental problems associated with energy usage), the development of military weapons systems, and the exploration and colonization of the solar system. Prerequisites: PHYS 0103 or PHYS 0104 or PHYS 0107 or PHYS 0113 or permission of instructor.

PHYS 0399 INDEPENDENT STUDY (3-6). Permission of instructor.

INTERDISCIPLINARY STUDIES COURSES

IDIS 0260 ELEMENTARY SCHOOL MATHEMATICS AND SCIENCE (4) The course is designed to introduce the prospective elementary teacher to an integrated approach to the teaching of mathematics and sciences. An activity based format will be used to create a learning environment that fosters an exploration of the processes of science and mathematics. Emphasis will be placed on the role and use of manipulative in a laboratory setting that encourages the development of fundamental concepts in both disciplines. Topics may include: the inductive and deductive processes, measurement, graphing, cognitive development theory, discussion of innovative projects typified by the PALMS Project that integrates mathematics and the sciences, techniques for assessment, energy and matter, number and arithmetic operations, serial dilution, patterns, variables, modeling and geometry. Prerequisites: Mathematics and Science courses required for elementary teacher certification or permission of instructors.

POLITICAL SCIENCE

The Department of Political Science offers five tracks designed to serve students who are 1) interested in political science as citizens or 2) interested in political science as a profession. These tracks include law, teaching/graduate study, political action/community service, public sector professions, as well as interdisciplinary law. The internship program, a key element in the department's offerings, features 3 to 6 credit placements locally and in Boston and a 15-credit program in Washington, D.C. Each year, the International Relations Club participates in a model United Nations in New York City and often in other models as well. The department also sponsors a local chapter of the national honor society in Political Science, Pi Sigma Alpha.

Political scientists learn to think critically and analytically and to apply a broad understanding of the nature of politics to the important questions of our time. A major in Political Science alone or in combination with another major not only prepares you for careers in law or government, but also provides you with skills necessary in a wide range of other professional and managerial positions.

REQUIREMENTS BACHELOR OF ARTS IN POLITICAL SCIENCE: 36 CREDITS

Nine credits of required courses including:

POLS 0101 American National Government	(3)
POLS 0206 Political Analysis	(3)
One course selected from the following:	
POLS 0103 State and Local Government	(3)
POLS 0210 Comparative European Government	(3)
POLS 0205 Urban Politics	(3)
POLS 0308 Constitutional Law	(3)

Twelve credits in one of four tracks in political science or 18 hours in the Interdisciplinary Law and Legal Studies track.

Fifteen credits of additional political science course work; 9 additional credits for students pursuing the Interdisciplinary Law and Legal Studies track.

Students transferring from another college must complete minimum of 18 credits in Political Science at Westfield State College.

MAJOR FIELDS OF CONCENTRATION

Note: Special Topics and Internships may be offered in any of the following five tracks:

Track 1: Law -- Courses analyzing and evaluating the American legal system and providing preparation for law school and legal professions. (Choose four).

POLS 0207 Administrative Law	(3)
POLS 0308 Constitutional Law	(3)
POLS 0309 Civil Liberties I	(3)
POLS 0315 Comparative Judicial Systems	(3)
POLS 0316 Adjudication of Social Issues	(3)
POLS 0323 Special Topics	(3)
POLS 0397 Internship	(3 or 6)
POLS 0398 Washington Internship	(15)

Track 2: Teaching/Graduate Study -- Courses providing academic and methodological preparation for teaching and/or graduate study in political or social science. (Choose four).

POLS 0209 International Relations	(3)
POLS 0210 Comparative European Government	(3)
POLS 0211 Comparative Foreign Policy	(3)
POLS 0301 Political Theory I	(3)
POLS 0302 Political Theory II	(3)
POLS 0305 American Foreign Policy	(3)
POLS 0321 Issues In U.S. Politics	(3)
POLS 0324 Third World Politics	(3)
POLS 0397 Internship	(3 or 6)
POLS 0398 Washington Internship	(15)

Track 3: Political Action/Community Service -- Courses relevant to those seeking to be active in political life and/or involved in social change. (Choose four).

POLS 0103 State and Local Government	(3)
POLS 0205 Urban Politics	(3)
POLS 0211 Comparative Foreign Policy	(3)
POLS 0305 American Foreign Policy	(3)
POLS 0306 Political Change in the U. S.	(3)
POLS 0307 Executive & Legislative Politics	(3)
POLS 0321 Issues in U.S. Politics	(3)
POLS 0323 Special Topics	(3)
POLS 0324 Third World Politics	(3)
POLS 0397 Internship	(3 or 6)
POLS 0398 Washington Internship	(15)

Track 4: Public Sector Professions -- Courses providing necessary academic and technical expertise for professions in the public sector and for graduate study in public administration and public policy (Choose four)

POLS 0103 State and Local Government	(3)
POLS 0204 Introduction to Public Administration	(3)
POLS 0205 Urban Politics	(3)
POLS 0210 Comparative European Government	(3)
POLS 0211 Comparative Foreign Policy	(3)
POLS 0318 Public Management Skills	(3)
POLS 0320 Politics of Budget-Making	(3)
POLS 0321 Issues in U.S. Politics	(3)
POLS 0322 Race and Ethnicity in US Politics	(3)
POLS 0323 Special Topics	(3)
POLS 0397 Internship	(3 or 6)
POLS 0398 Washington Internship	(15)

Track 5: Interdisciplinary Law and Legal Studies -- All students in this track must take the four courses listed in Phase I. In addition, they must take two courses from Phase II. The two courses outside the Political Science Department will count toward the major only within this track.

Phase I - Required Courses

POLS 0207 Administrative Law	(3)
POLS 0308 Constitutional Law	(3)
POLS 0309 Civil Liberties I	(3)
POLS 0316 Adjudication of Social Issues	(3)

Phase II - Select Two Courses

PHIL 0103 Symbolic Logic	(3)
CRJU 0204 Principles of Investigation	(3)
CRJU 0305 Principles of Evidence and Proof	(3)
BIOL 0233 Environmental Legislation	(3)
MGMT 0241 Business Law I	(3)
MGMT 0301 Labor Relations	(3)
CRJU 0203 Criminal Law	(3)
CRJU 0316 Civil Liabilities for Criminal Justice Professionals	(3)
MCOM 0307 Communication Law	(3)
POLS 0315 Comparative Judicial Systems	(3)

Note: POLS 0323: Special Topics in Political Science may be applied to any track depending on the subject of the course.

POLITICAL SCIENCE MINOR: 18 CREDITS

Students in such fields as economics, business management, history, psychology or criminal justice often find the option of a minor in political science particularly attractive. Students who wish to minor in political science are required to take 18 credits of courses within the Department. An internship may account for up to 6 of the 18 credits of the minor.

URBAN STUDIES CONCENTRATION

The student who wishes to be a Political Science major (36 credits) with a minor in Urban Studies (18 credits) may take any track either with or without an internship. The student should choose his/her required additional 18 credits in other departments with the assistance of his/her advisor. These credits may be selected in such areas as: history, mathematics, geography and regional planning, education, economics, sociology, business management and psychology.

COURSES

POLS 0101 AMERICAN NATIONAL GOVERNMENT (3) Fundamental course dealing with the constitution, congress, president, courts, and political party systems of the American national government.

POLS 0103 STATE AND LOCAL GOVERNMENT (3) Fundamental course dealing with the powers, organization, functions and intergovernmental relations of the state, county, municipality and other local governments.

POLS 0204 INTRODUCTION TO PUBLIC ADMINISTRATION (3) The relationship of the administrative branch of government to other branches in the making and implementation of public policy, theories of government organization for efficient administration, problems of budgeting, personnel, merit systems, types of agency organization, popular control over the bureaucracy.

POLS 0205 URBAN POLITICS (3) Exemplifies the areas of "urban problems" in the context of leading political science theories, and in turn examines these writings in light of contemporary developments in the cities.

POLS 0206 POLITICAL ANALYSIS (3) Quantitative and qualitative approach to understanding how theory is constructed. Political thought and action and its relation to normative and empirical studies found in the following disciplines: Philosophy, Sociology, Economics, and Science. Emphasis on how political theory and analysis deals critically with social change through the mediation of structural functional and conflict models of change.

POLS 0207 ADMINISTRATIVE LAW (3) Law concerning the powers and procedures of administrative agencies and the part they plan in setting and rejecting governmental policy. Special attention is put on the courts' role in mediating agency actions and their constitutionality within the branches of the federal government.

POLS 0209 INTERNATIONAL RELATIONS (3) An introduction to the nation-state system and conceptions of national interest in modern world politics. The forms and distribution of power by which states seek to implement national interest. The making of foreign policy and methods of adjusting international conflict. Emphasis on current international problems.

POLS 0210 COMPARATIVE EUROPEAN GOVERNMENT (3) The institutional approach will be employed to the study of the governments of England, France, Italy, Germany, and the Soviet Union. The institutional approach considers the organizations of governments, their constitutional basis, their sources of legitimacy, and their methods of operation. This approach seeks to understand the workings of governments by an analysis of these components.

POLS 0211 COMPARATIVE FOREIGN POLICY (3) The nation-state and its power relationships with other states and international organizations, regional and global. A theoretical study of the cultural, ideological, economic, institutional, and personality influences on the foreign policy of particular countries. The country studied will change from semester to semester. Students may therefore enroll for the course more than once and up to 3 times for major credit. Prerequisite: POLS 0101.

POLS 0301-0302 POLITICAL THEORY, I, II (3 each) Selected issues in the history of political thought with emphasis on their pertinence to ancient and recent political, economic, and social problems.

POLS 0305 AMERICAN FOREIGN POLICY (3) Constitutional, political, ideological, and administrative considerations which influence the formulation and execution of American foreign policy. Special emphasis on current issues.

POLS 0306 POLITICAL CHANGE IN THE U. S. (3) A study of how the political ideas, values, and goals of the American people are expressed through the machinery of American politics: parties, elections, interest groups and social movements.

POLS 0307 POLITICAL LEADERSHIP AND DECISION MAKING IN THE U.S. (3) The origins, development, and political processes of the executive and legislative branches of American government. The study of the impact of social structure and the economic system on these institutions. Analysis and discussion of their power relationships and their place in American politics, and the nature and quality of leadership and decision-making within them.

POLS 0308 CONSTITUTIONAL LAW (3) The Federal system under the Constitution of the United States, judicial review in constitutional cases, state and local rights and responsibilities.

POLS 0309 CIVIL LIBERTIES (3) Selected cases dealing with constitutionally protected rights of speech, press, and assembly, as well as with court created rights.

POLS 0315 COMPARATIVE JUDICIAL SYSTEMS (3) A study of selected countries' judicial systems dealing with each system's origins, development, and the kinds of cases which the system is called upon to adjudicate.

POLS 0316 ADJUDICATION OF SOCIAL ISSUES (3) A study of the extensive changes in the American social, economic, and political structure brought about within the framework of the judicial process.

POLS 0318 PUBLIC MANAGEMENT SKILLS (3) Emphasizes those areas most important to administration, including in-depth work in public budgeting and finance skills; details of public personnel activities and problems (recruiting, hiring, training, promotions, etc.); various facets of public relations, ranging from inter-organization communication to dealing with media; leadership, decision-making and supervision. Draws from contemporary examples.

POLS 0320 POLITICS OF BUDGET-MAKING (3) Deals with federal, state, and local budgets, how they are made, who influences the decisions, and the implications of those decisions.

POLS 0321 ISSUES IN U.S. POLITICS (3) Analysis of conflict and decision-making in specific policy areas. These will change from semester to semester and will include, among others, energy, employment, defense, economic policy, education, and race and ethnicity. Students may therefore enroll for the course more than once. Prerequisite: POLS 0101 or POLS 0103 or equivalent.

POLS 0322 RACE AND ETHNICITY IN U.S. POLITICS (3) Study and evaluation of different points of view on the significance of race and ethnicity for U.S. politics and on the merits of different policies dealing with racial and ethnic political conflict. Prerequisite: POLS 0101 or permission of the instructor.

POLS 0323 SELECTED TOPICS IN POLITICAL SCIENCE (3) A study of basic political and intellectual forces shaping contemporary world politics. Information concerning past events, issues, movements, and personalities are subjected to reinterpretation in the light of recent scholarship. Prerequisite: POLS 0101.

POLS 0324 THIRD WORLD POLITICS (3) Comparative analysis designed for the student interested in general problems of politics and development in the third world; concepts are drawn from several analytical approaches and are applied to case studies of African, Asian, and South American countries. Prerequisite: six credits in social science or equivalent.

POLS 0325 POLITICAL COMMUNICATION (3) Combines theory, research, and practical experience in order to gain an understanding of the role of mass communication in the electoral process. The course is intended to increase awareness of the problems and responsibilities involved in political and campaign communication, and to provide opportunities to apply political, organizational and communication skills. May be offered in conjunction with the Political Science Department. Prerequisite: HIST 0130, MCOM 0101, POLS 0101 or POLS 0103.

POLS 0397 POLITICAL SCIENCE INTERNSHIP (3 or 6) Provides experience in a local, regional or state governmental office. Daily journal and semester paper required. Prerequisite: 2.75 cumulative GPA.

POLS 0398 WASHINGTON INTERNSHIP (15) A semester in the nation's capitol serving in a public service office at a junior entrance level. One evening course included. Daily journal and semester paper required. Prerequisite: 2.75 cumulative GPA.

POLS 0399 INDEPENDENT STUDY (3). Permission of instructor.

PSYCHOLOGY

The Psychology major offers a unique blend of the Liberal Arts and professional studies. An attractive feature of the major is its versatility. Students receive a solid foundation in psychological principles along with an experiential understanding of these tenets in a variety of settings. Graduates are prepared for and enter fields in which psychology plays a predominant role, such as human services, as well as areas in which psychology has a major influence, such as teaching, business, and criminal justice. Many of our students enter graduate programs in psychology upon completion of their undergraduate degree.

The doctoral level faculty represents the breadth of the Psychology Department, as does our extensive curriculum. With but two courses required of all majors, each student, with the assistance of a department advisor, may develop a plan of studies that addresses individual interests, talents, and goals. Students may choose from an array of courses which are regularly offered, including a practicum served in a variety of agency, school, or business settings, special topics courses, and independent study opportunities. The department also has laboratory facilities and equipment to support experimental work. The utility of a background in psychology results in many students selecting it as a second major in conjunction with programs like education, or as a minor to complement programs like Criminal Justice or Communication.

REQUIREMENTS FOR PSYCHOLOGY MAJORS: 36 credits

The Psychology majors consists of a minimum of 36 credits. Students must take at least 15 credits within the Westfield State College Psychology Department.

REQUIRED COURSES: (6)

PSYC 0101 Introduction to Psychology: prerequisite to all other psychology courses (3)

PSYC 0105 Research Methods: prerequisite for all "natural science" psychology courses, expected for all other psychology courses. This course should be taken in the semester following Introduction to Psychology (4)

Two courses from each of the groups below: (18)

Natural Science

PSYC 0306 Learning (3)
PSYC 0308 Statistics for Psychologists (3)
PSYC 0312 Physiological Psychology (3)
PSYC 0313 Comparative Psychology (3)
PSYC 0341 Cognitive Psychology (3)
PSYC 0359 Sensation and Perception (3)

Social Science

PSYC 0201 Theories of Personality (3)
PSYC 0202 Child Psychology (3)
PSYC 0203 Adolescent Psychology (3)
PSYC 0303 Abnormal Psychology (3)
PSYC 0304 Social Psychology (3)
PSYC 0336 Psychology of the Family (3)

Applied

PSYC 0200 Industrial and Organizational Psychology (3)
PSYC 0206 Educational Psychology (3)
PSYC 0317 Behavior Modification (3)
PSYC 0318 Psychology of Interpersonal Relations and Communications (3)
PSYC 0322 Theories of Counseling (3)

12 additional credits in Psychology courses (12)

REQUIREMENTS FOR A MINOR IN PSYCHOLOGY

A total of 18 credits in psychology department offerings will qualify a student for a minor in psychology.

COURSES

PSYC 0101 INTRODUCTION TO PSYCHOLOGY (3) Overview of the basic theories and facts of human behavior and mental life. Topics include the scientific method, the physiological bases of behavior, sensation and perception, learning and memory, development, personality, social psychology, and abnormal behavior. Psychological knowledge is related to daily problems and everyday life. This course is a prerequisite to all other psychology courses.

PSYC 0105 RESEARCH METHODS IN PSYCHOLOGY (4) (This course should be taken the semester after completion of Introduction to Psychology and is a requirement for all psychology majors). Introduction to the scientific method as used in psychology. Students are given laboratory experience at carrying out simple research. Lectures cover the concepts of a hypothesis, an experiment, control procedures, law, and theory. The course focuses on research methods, experimental techniques, and a mention of the basic statistical concepts as they are used in research. Prerequisite: PSYC 0101.

PSYC 0200 INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY (3) Concerns the application of psychological principles to the problem of people operating within business or industry. Includes such topics as the nature of organizations, effective leadership styles, communication skills, group dynamics, and the role of leisure time. Prerequisite: PSYC 0101.

PSYC 0201 THEORIES OF PERSONALITY (3) The major theories of personality, including those of Freud, Jung, Sullivan, Allport, and Rogers, and the evidence used to support them. Comparisons and contrasts of these theories are made and implications drawn will be discussed and applied to counseling, psychotherapy, and education. Prerequisite: PSYC 0101.

PSYC 0202 CHILD PSYCHOLOGY (3) The systematic study of the organismic and psychological changes in the child from birth up to adolescence, and of the importance of maturation, growth, and social learning in effecting these changes. Attention is focused on factors in personality, emotional, and cognitive development. Several lectures cover psychological theories of child development as based on available research data. Prerequisite: PSYC 0101.

PSYC 0203 ADOLESCENT PSYCHOLOGY (3) Course concerns are the adolescent period of life. Lectures cover the various aspects of development: physical, intellectual, social, emotional, and sexual. Several lectures involve the interpersonal aspects of the life of adolescents, including family, peer, and school relationships, vocational choice, and the self-concept. Also covered are various psychological theories of adolescent development as based on available research data. Prerequisite: PSYC 0101.

PSYC 0204 SELF CONTROL AND STRESS MANAGEMENT (3) The concept of self-control will be examined from various psychological perspectives (e.g. behavioral, psychoanalytic, and humanistic), and a technology of self-control procedures will be introduced which have applications to a wide range of clinical problems. The determinants of stress and its manifestations - physiological, behavioral, and cognitive - will also be examined together with procedures for stress management including relaxation techniques, meditation, biofeedback, and cognitive-behavioral strategies. Prerequisite: PSYC 0101.

PSYC 0205 CAREER PLANNING AND DEVELOPMENT (3) Designed to familiarize students with the major theories of career choice, to enable them to learn a self-assessment process in relation to career opportunities, and to develop flexible strategies for achieving and managing a satisfactory career. The course will also include a discussion of various problems associated with different career opportunities such as technological and social change, value conflicts, dual-career couples and adult developmental needs. Prerequisite: PSYC 0101.

PSYC 0206 EDUCATIONAL PSYCHOLOGY (3) The study of the psychological concepts in educational practices, including the nature and sources of individual differences and readiness, learning, theories, motivations, emotions, and the evaluation of learning techniques. Prerequisite: PSYC 0101.

PSYC 0303 ABNORMAL PSYCHOLOGY (3) The etiology, development, and therapy of mental disorders. Stress will be on the psychodynamics of pathological behavior. Consideration will be given to various forms of unusual behavior ranging from anxiety states to psychosis. Analyses of pathological behavior will be based on current theories of maturation, emotion, and personality. Prerequisite: PSYC 0101 and PSYC 0201.

PSYC 0304 SOCIAL PSYCHOLOGY (3) The individual's behavior and cognition in the social setting. Social psychology includes the processes of interaction, enculturation, prejudice, attitudes, and a psychological analysis of social institutions such as church, family and school. Prerequisite: PSYC 0101.

PSYC 0306 LEARNING (3) An introduction to the terminology, concepts, and methods in the study of learning. An examination of principles in terms of early and contemporary inquiries and experiments. The focus is on classical and instrumental conditioning, generalization, and discrimination processes. For students who major or concentrate in psychology. Prerequisites: PSYC 0101 and PSYC 0105.

PSYC 0308 STATISTICS FOR PSYCHOLOGISTS (3) The application of statistical methods to current research problems in psychology. The selection of procedures appropriate to problems, performance of the procedures, interpretation of outcomes, data tabulation and reduction, measures of central tendency and variability, correlation and prediction, tests of significance, t-test, chi square and analyses of variance. Prerequisite: PSYC 0101 and PSYC 0105.

PSYC 0312 PHYSIOLOGICAL PSYCHOLOGY (3) A presentation of the physiological mechanisms of behavior with application to both normal and abnormal human behavior. Includes elementary neuroanatomy and discussion of ethical issues of the discipline. Prerequisites: PSYC 0101 and PSYC 0105.

PSYC 0313 COMPARATIVE PSYCHOLOGY (3) A study of the similarities and differences in the behavior of animals, ranging from the unicellular to non-human primates. The course will stress comparative learning, but aspects of such topics as instinctive behavior, psychophysiology, and social behavior will also be discussed. Psychology majors only. Prerequisites: PSYC 0101 and PSYC 0105.

PSYC 0314 HISTORY AND SYSTEMS OF PSYCHOLOGY (3) Aim is to familiarize the student with the antecedents of modern psychology, the rise of experimental psychology as a science, the British, German, and American schools of psychology, and contemporary psychological systems. Several lectures cover the philosophical foundations of experimental psychology, and the philosophy of theory construction. Prerequisites: PSYC 0101, PSYC 0201, and PSYC 0306 strongly suggested.

PSYC 0316 PSYCHOLOGY OF HUMAN SEXUALITY (3) An overview of human sexuality from the perspectives of physiological, developmental, social, and clinical psychology. Specific topics include theory and research methodology, sexual arousal and behavior, contraception, sexual orientation, variations in sexual behavior, sexual coercion, and sexual dysfunction and sex therapy. Emphasis is placed on the psychological sequelae of these topics rather than their biological, medical, sociological, or ethical aspects. Prerequisite: PSYC 0101.

PSYC 0317 BEHAVIOR MODIFICATION (3) An overview of the basic techniques derived from operant and respondent conditioning used to bring about behavioral change. Topics include the several categories of reinforcement, schedules, shaping, generalization, stimulus discrimination, and punishment as well as methods of data collection. Prerequisite: PSYC 0101.

PSYC 0318 PSYCHOLOGY OF INTERPERSONAL RELATIONS AND COMMUNICATIONS (3) The major focus is on the nature of interpersonal relationships and how communication influences the formation, destruction and improvement of our relationships. We will bring together the thinking of major theorists and research findings in many areas dealing with interpersonal relations and communications. Prerequisite: PSYC 0101.

PSYC 0322 THEORIES OF COUNSELING (3) A presentation of the philosophies, methods, techniques, and research associated with five or six major contemporary counseling theories such as psychoanalytic, client-centered, rational emotive, and gestalt. Prerequisites: PSYC 0101 and PSYC 0201.

PSYC 0323 COUNSELING THEORY AND PRACTICE (3) Designed to help counselors to develop an understanding of the issues involved in helping relationships dealing with persons having educational, vocational, interpersonal and intrapersonal problems. Techniques and abilities to apply basic counseling skills will be stressed. The aim of the course is to develop an advanced understanding of major counseling theories. Elective for juniors and seniors. Prerequisites: PSYC 0101, PSYC 0201, PSYC 0322.

PSYC 0333 PRACTICUM IN PSYCHOLOGY (6) Students seek placement in agencies which provide various psychological services to the community. The primary goal of the placement is to provide an opportunity for the student to become involved in a meaningful manner with the services provided by the agency. It is hoped that the student can make a contribution to the service. The student is responsible, under the joint direction of an agency representative and a Department of Psychology supervisor, for the formulation of a detailed outline of activities, time commitment, and responsibilities. The student will also prepare a term paper and a final evaluation related to the activities in which he/she is involved. The agency is expected to provide general supervision and make a final evaluation of the student's performance. The Department representative will make periodic evaluations of the student's performance and will cooperate fully with the agency supervisor. Interested students should contact the Chair of the department. Prerequisites: PSYC 0101, PSYC 0201, PSYC 0322, PSYC 0323.

PSYC 0335 SENIOR SEMINAR (3) A limited enrollment course designed according to current student and faculty interests and focuses on advanced study of current research and theory in a particular area of psychology. Prerequisite: PSYC 0101 and senior status.

PSYC 0336 PSYCHOLOGY OF THE FAMILY (3) A presentation of theories of how family interaction and patterns of response influence personality and behavior. An exploration of the characteristics of "healthy" and "unhealthy" families and the types of individuals they produce. A review of family therapy techniques as a means of treating the "identified patient." Limited to juniors and seniors. Prerequisite: PSYC 0101.

PSYC 0341 COGNITIVE PSYCHOLOGY (3) The psychology of sensation, perception, psycholinguistics, cognition and information processing. Topics include memory, attention, pattern recognition, thinking, problem solving, language, and artificial intelligence. Lectures stress in-depth reviews of the experimental evidence which bears on theories of cognition and language. Prerequisites: PSYC 0101 and PSYC 0105.

PSYC 0352 WOMEN AND MENTAL HEALTH (3) This course will examine issues related to women's mental health. Topics will include theories of female personality development, socialization, life cycle events, sexuality, psychopathology more frequently associated with women (e.g. depression, eating disorders, phobias), specific treatment needs of women, the impact of violence against women, and international issues concerning women.

PSYC 0353-356 SPECIAL TOPICS IN PSYCHOLOGY (3) each offering; students may receive no more than 6 credits for this course number. Offered on an irregular basis. This offering is an in-depth study of a limited and/or specialized area within one field of psychology. The exact title will vary according to the specialization of the instructor and the interest of the students. Prerequisites: PSYC 0101 and at least 9 additional credits in psychology for majors; PSYC 0101 and permission of instructor for non-majors.

PSYC 0357 ADULT DEVELOPMENT AND AGING (3) A study of human development through the early, middle, and later adult years. The course will focus on the maturational and environmental determinants of changes in sensation and perception, learning and memory, intelligence, cognition, and personality. Prerequisite: PSYC 0101.

PSYC 0359 SENSATION AND PERCEPTION (3) Introduction to the laboratory study of perceptual phenomena. Students use different instrumentation such as the tachistoscope and dichotic listening equipment and apply various methodologies in a series of experiments during the first part of the course, comparing several theoretical approaches. The second part of the course is given to laboratory demonstrations and the development of an individual project. Prerequisites: PSYC 0101, PSYC 0105, and permission of instructor.

PSYC 0360 LEARNING LABORATORY (3) Provides students with laboratory experience in animal learning. Initially all students will train animals using basic procedures in behavioral control including shaping, response acquisition and simple discrimination. Student will then pursue individual projects examining response chaining, performance on simple or complex schedules of reinforcement, choice behavior, and other areas of learning. Prerequisites: PSYC 0101, PSYC 0105, and PSYC 0306 and permission of instructor.

PSYC 0361 PSYCHOLOGY OF RACISM (3) Provides students with an understanding of the psychological causes and emotional reality of racism as it affects everyday life. Through the use of lectures, readings, simulation exercises, group research projects, and extensive class discussion, the student explores the psychological impact of racism on both the oppressor and the oppressed. Prerequisite: PSYC 0101.

PSYC 0362 ALCOHOLISM: CAUSES AND TREATMENT (3) The objectives of this course are to explain and interpret the dynamics, research and most effective treatment modalities for alcoholism. Included are the physiological causes of alcoholism, common psychological denominators, defenses, the progression and the recovery-relapse of the alcoholic. The alcoholic family as a unit to be treated is considered also. Prerequisites: PSYC 0101 or permission of instructor.

PSYC 0363 CROSS CULTURAL PSYCHOLOGY (3) This course will focus on understanding different cultural values, norms and beliefs - an ingredient for effective communication among people of differing cultures. Topics to be covered are the differences in cognitive processes that lead to misunderstanding and conflicts between members of different groups, e.g. differences in perception, thinking, verbal and non-verbal behavior. The goal of the course is for students to understand and become more comfortable with the ideas and behavior of others whose culture is different from their own. Prerequisite: PSYC 0101.

PSYC 0364 DRUGS AND BEHAVIOR (3) The course covers the basic principles of psychopharmacology; what drugs are and how they influence psychological phenomena. Various forms of drug use and abuseare examined. The student gains an understanding of: How and why drugs are used as treatment for psychopathological and neuropsychological conditions; mechanisms of addiction, tolerance and abuse; the social, recreational and religious context; and the legal history of substance use. Prerequisites: Junior or senior status, PSYC 0101 and PSYC 0312; or permission of instructor.

PSYC 0365 MANIC-DEPRESSIVE ILLNESS (3) Students will examine the classic Manic-Depressive (Bipolar Expressive Types I and II) disorder, with some time devoted to Depressive (Unipolar) disorders. These disorders will be considered from three primary perspectives: Classical observational psychiatry, more recent group studies, and the experience of the individual with the disorder. Prerequisite: PSYC 0101.

PSYC 0381 EXPERIMENTAL SOCIAL PSYCHOLOGY (3) Provides skills in field and laboratory research methodology. A few topics in social psychology, such as interpersonal attraction, attitude change, social cognition and impression management are discussed in detail. Following an in-depth analysis of a specific topic, students conduct either field or laboratory experiments. Students are closely supervised and are responsible for conducting and scheduling experiments; collecting, coding and analyzing data; and submitting a final written report in APA format for each experiment. Prerequisites: PSYC 0101, PSYC 0105, PSYC 0304, or the permission of the instructor.

PSYC 0399 INDEPENDENT STUDY - PSYCHOLOGY (1-6) Credit for independent study is granted for special academic work done under the supervision of a faculty member of the Psychology Department. This work may involve library research and subsequent preparation of a scholarly paper; design and completion of an experimental project or field study; advanced study and application of concepts in a particular area of psychology beyond that covered in typical course work. At the end of the project, a final written report should be submitted to the faculty supervisor, with a copy to the departmental advisor and a copy to the chairman of the department. Prerequisites: PSYC 0101; approval by student's advisor, department chairman and Academic Dean.

SOCIOLOGY AND SOCIAL WORK

The Department offers two majors: Sociology and Social Work leading to a Bachelor of Arts degree. The Department also offers a minor in Sociology.

A major in Sociology gives students the knowledge and skills which provide an excellent foundation for many carecrs, as well as the grounding for graduate education in sociology or a related field. Students develop an understanding of social change, research design, data analysis, statistics, and theory. They also acquire a sense of history and of different ways of life. Students learn how individuals behave in organizations, families, and communities, and develop a sense of the contexts within which social policy decisions are made and carried out. The Senior Thesis/Internship, which concludes work in this major, gives students the opportunity to write an original research paper or to gain hands-on experience in a variety of governmental, business, and service settings, where they will apply the knowledge and skills learned in earlier coursework.

The major in Social Work prepares students to practice bachelor's level social work in today's complex world. This preparation takes into consideration the value of human diversity in the world and the reality of oppression in the world. Specifically, the curriculum provides students with the values and ethics, the skills, and the knowledge needed for beginning level generalist social work practice. The department has applied for accreditation from the Council on Social Work Education for the baccalaureate program and was granted candidacy status in June 1999. Current graduates from the program are eligible to apply for social work licensure at the bachelor's level in the Commonwealth of Massachusetts and may be able to apply for advanced standing in graduate schools of social work.

REQUIREMENTS FOR SOCIOLOGY MAJORS (36 or 39 credits)

SOCI 0101 Principles of Sociology	(3)
SOCI 0204 Introduction to Research Methods in Sociology	(3)
SOCI 0335 Sociological Theory	(3)
SOCI 0300 Senior Thesis/Internship	(3 or 6)
Eight Sociology Elective Courses	(24)

REQUIREMENTS FOR SOCIAL WORK MAJORS (58 Credits)

Foundation Courses: 19 Credits

SOCI 0101	Principles of Sociology	(3)
PSYC 0101	Introduction to Psychology	(3)
POLS 0101	American National Government (3)	
POLS 0103	State and Local Government (3)	
BIOL 0104	Human Biology	(4)
MATH 0108	Elementary Statistics	(3)

Social Work Courses: 39 credits

SOCW 0103	Intro to Soc Work and Soc Welfare	(3)
SOCI 0204	Intro to Res Methods in Sociology	(3)
SOCW 0241	Hum Behav and the Soc Environ I	(3)
SOCW 0242	Hum Behav and the Soc Environ II	(3)
SOCW 0243	Social Welfare Policy Analysis	(3)
SOCW 0340	Generalist Practice I: Introduction	(3)
SOCW 0341	Gen Prac II: Communities & Orgs	(3)
SOCW 0342	Gen Prac III: Individ and Families	(3)
SOCW 0343	Gen Prac IV: Grps and Special Iss	(3)
SOCW 0351	Social Work Field Practicum I	(6)
SOCW 0352	Social Work Field Practicum II	(6)

Admission to and Retention in the Social Work Major:

Students formally enter the Social Work program during the first semester of their junior year. They may apply for admission to the major as early as the first semester of their sophomore year, but may notify the department of their intention prior to that time. Students should have completed or be enrolled in the required foundation courses as well as SOCW 0103.

MINOR REQUIREMENTS IN SOCIOLOGY

SOCI 0101 Principles of Sociology	(3)
Two Sociology courses (either 0200 or 0300 level)	(6)
Three Sociology courses (at 0300 level)	(9)

SOCIOLOGY COURSES

SOCI 0101 PRINCIPLES OF SOCIOLOGY (3) An introduction to the fundamental concepts of group behavior, major social institutions, principal theoretical perspectives and the nature of sociological research. Topics to be covered include, but are not limited to: the development of the discipline of sociology, components of culture, socialization, research methods, deviance, stratification and social change.

SOCI 0200 CULTURAL ANTHROPOLOGY (3) An overview of cultural anthropology as a discipline and to the concepts and techniques essential for understanding different cultures, both contemporary and past. Includes analysis of universal aspects of human experience, including the family, economic, political, religious, artistic, and linguistic systems, examined in cross-cultural perspective. A brief examination of hunters and gatherers, tribal and peasant peoples, among others and an introduction to the dynamics of cultural contact, cultural evolution, and change.

SOCI 0201 THE FAMILY (3) The family as a social institution, affected by and affecting other institutions. Some material of the family in non-industrial societies will be included, but the main focus will be on persisting patterns and on changes in pre-marital, marital, and family relationships in the United States.

SOCI 0202 RACE AND ETHNIC RELATIONS (3) A study of the phenomena which arise when different biological and cultural groups interact, and of theories and methods calculated to reduce antipathy and discrimination against minority groups, with an emphasis on American relations.

SOCI 0204 INTRODUCTION TO RESEARCH METHODS IN SOCIOLOGY (3) The development of social research; the nature of sociological inquiry; basic methods and techniques; examination of representative sociological studies from the standpoint of methodology. Prerequisite: SOCI 0101.

SOCI 0300 SENIOR THESIS/INTERNSHIP (3-6) The course provides an opportunity for independent study which may take a theoretical direction (the non-agency research or the thesis option) or may involve observer participation in relevant community agencies and organizations.

SOCI 0304 SOCIAL CHANGE (3) Major theories of social change with respect to the origin of innovations and the reasons for their acceptance or rejection. An analysis of such sources of change as conflict, technology, and social planning in modern and developing societies. Prerequisites: SOCI 0101.

SOCI 0305 URBAN SOCIOLOGY (3) Growth, structure and functions of the city. The urban place as an ecological, stratified, attitudinal and decision-making unit. Urban problems and social relations. Prerequisite: SOCI 0101.

SOCI 0307 SOCIAL PROBLEMS (3) A study of contemporary American society in light of selected problem areas. An analysis of contributing factors, conflicting views and values, current situation of prospects for resolution involving application of sociological concepts, theories, and methods. Prerequisite SOCI 0101.

SOCI 0308 SOCIAL STRATIFICATION (3) A systematic treatment of the ranking systems in various social structures in America. Theories of social stratification and mobility, analysis of social class studies in the United States, the interplay of power, status, and control. Prerequisite: SOCI 0101.

SOCI 0309 SOCIOLOGY OF RELIGION (3) The scientific study of religion dating from mid-19th century animists and naturalists. Religion as a basic social institution with both integrative and diverse tendencies. Organizational patterns; interrelationships with other institutions. Theoretical developments within the field. Changing emphases in the function of religion as a major source of meaning and values in human societies. Prerequisite: SOCI 0101.

SOCI 0310 JUVENILE DELINQUENCY AND CRIMINOLOGY (3) Meaning, identification, and causes of delinquent and criminal behavior. The role of social institutions in corrections, control, and prevention of youthful and adult offenses. Prerequisite: SOCI 0101.

SOCI 0311 COMPLEX ORGANIZATIONS (3) Examination of major theories and studies of complex organizations. Emphasis is on recent findings regarding the influence of organizations on the behavior of members, bureaucratic "pathology", succession and displacement of goals, organizational types, characteristics, and problems of bureaucracies in a variety of settings: occupational, military, medical, religious, correctional, political; organization change in the light of contemporary theory and research noting the functioning of complex organizations in preindustrial and industrial societies. Prerequisite: SOCI 0101.

SOCI 0312 POPULATION STUDIES IN SOCIOLOGY (3) Introduction to population studies, provided within a sociological framework, and an analysis of historical, contemporary, and anticipated population conditions and trends, as these are related to social situations and the organization of society. Prerequisite: SOCI 0101.

SOCI 0314 COLLECTIVE BEHAVIOR (3) Study of such phenomena as crowds and mobs, panics and riots, fads and fashions, rumor and propaganda, the formation of publics, and public opinions. Examines the transition from unorganized to organized group behavior, from behavior based largely on emotional contagion to behavior on a shared symbolic framework. Prerequisite: SOCI 0101.

SOCI 0315 SOCIOLOGY OF GENDER (3) An examination of the social construction of gender; the intersection of gender, class, race/ethnicity, and sexual orientation; the dimensions of gender inequality; and changing gender arrangements in the United States. Prerequisite: SOCI 0101.

SOCI 0316 SMALL GROUPS (3) A systematic study of the influential theoretical and empirical writings and studies, classical and current, dealing with the structure and functioning of small groups; the influence of small groups research on theoretical perspectives in macro-sociology. Prerequisite: SOCI 0101.

SOCI 0317 SOCIOLOGY OF DEVIANT BEHAVIOR (3) This is an upper-level course which will examine various social behaviors that are considered as "deviant". Beginning with definitions of deviance, the course will progress to an examination of the extent of deviant behaviors, theories of the causes of deviant behavior, and the role of social control. There will be a rather broad range of specific behaviors considered, with an overall aim to provide students with a distinctly sociological frame of reference through which a fuller understanding of such behaviors may be gained. Policy implications will also be discussed. Prerequisite: SOCI 0101.

SOCI 0318 SOCIOLOGY OF MEDICAL CARE (3) Examination of existing theory and research on medical care of a social institution. Study of the relation of social factors to illness, both physical and mental, and its distribution. Attitudes and beliefs regarding illness and the response to illness in various societies. Sociological analysis of hospitals as social organizations, of the medical profession, and of medical education. Comparison of medicine as it is practiced in the United States and in other countries. Prerequisite: SOCI 0101.

SOCI 0320 SOCIOLOGY OF EDUCATION (3) American schools as social organizations, as community associations, and as socialization agents. The functions of the school, and the relation of the institution of education to culture and social structure. Problems of change. Prerequisite SOCI 0101.

SOCI 0321 SOCIAL GERONTOLOGY (3) Aging as a biological, psychological, and sociological process with numerous economic and political implications. Emphasis will be placed on the role of both the family and the community. The crises of retirement, illness, and dying will also be treated. Prerequisite: SOCI 0101.

SOCI 0330 SOCIOLOGY OF LAW (3) The sociological study of law; analysis of the legal system; relationship between the legal order and other institutional realms of society; the effectiveness of law as a mechanism of social control, and the place of law in broader patterns of social change. Prerequisite: SOCI 0101.

SOCI 0331-0334 SPECIAL TOPICS IN SOCIOLOGY (3) An in-depth treatment of a limited and/or specialized area within sociology. Prerequisites: permission of instructor.

SOCI 0335 SOCIOLOGICAL THEORY (3) In this course students are introduced in some depth to the various sociological theoretical perspectives as well as their "founders". These perspectives have been used by social analysts and sociologists since the 19th century to the present in their analysis and understanding of society and human behavior. More specifically, students focus on the ideas and themes about society and eminent social analysts like Auguste Comte, Herbert Spencer, Karl Marx, George Simmel, Talcott Parsons and others. Of importance is for the students to begin gaining an understanding of how the ideas of these social analysts are of relevance to modern society as well as their own experiences. Prerequisites: SOCI 0101 or permission of the instructor

SOCI 0399 INDEPENDENT STUDY (1-6) Permission of instructor.

SOCIAL WORK COURSES

SOCW 0103 INTRODUCTION TO SOCIAL WORK AND SOCIAL WELFARE (3) Preprofessional course designed to introduce the student to the present profession of social work, present social welfare programs, and the history of social work and social welfare.

SOCW 0241 HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I (3) This is the first course of a two course sequence that will focus on how aspects of the social environment affect human behavior and on individual development across the life cycle. Prerequisite: SOCW 0103.

SOCW 0242 HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II (3) This is the second course of a two course sequence that will focus on how aspects of the social environment affect human behavior and on individual development across the life cycle. Prerequisite: SOCW 0241 or permission of the instructor.

SOCW 0243 SOCIAL WELFARE POLICY ANALYSIS (3) Social science, historical, and ideological models, theories, and perspectives are used as a foundation to examine and analyze present social policies and social programs. Prerequisite: SOCW 0103.

SOCW 0340 GENERALIST PRACTICE I: INTRODUCTION (3) Provides an introduction to the generalist practice process, the problem-solving model, critical thinking, the values and ethics of social work, recording methods, basic interviewing skills and how to apply this knowledge and these skills across various types of practice situations (with individuals, families, groups, communities, and organizations). Prerequisite: SOCW 0241 or concurrent registration.

SOCW 0341 GENERALIST PRACTICE II: COMMUNITIES AND ORGANIZATIONS (3) Examines the skills needed to develop and carry out community development and social activism interventions. Covers basic skills for developing organizations creating organizational change, and administering organizations. Prerequisite: Acceptance in Social Work Concentration, SOCW 0340.

SOCW 0342 GENERALIST PRACTICE III: INDIVIDUALS AND FAMILIES (3) Focuses on skills of assessment and intervention with individuals and families. Examines models of micro practice, helps students hone critical thinking skills, and provides methods for dealing with ethical dilemmas. Prerequisite: Acceptance in Social Work Concentration, SOCW 0340, concurrent registration in SOCW 0351.

SOCW 0343 GENERALIST PRACTICE IV: GROUPS AND SPECIAL ISSUES (3) Introduces students to the knowledge and skills needed to organize and lead social work groups. The course further examines pertinent topics and enduring issues in social work to help students integrate prior social work learning. Topics and issues will be determined jointly by students and instructor. Prerequisites: Acceptance in Social Work Concentration, SOCW 0341, SOCW 0342 and concurrent registration in SOCW 0352.

SOCW 0351 SOCIAL WORK PRACTICUM I (6) Social work majors in their senior year are required to complete a two-semester, 400 hour, hands on social work experience in an approved agency under the supervision of a professional social worker. Included is a weekly seminar that provides further integration of practice with the skills, knowledge, and values and ethics of the field. Prerequisites: Acceptance in Social Work Concentration, SOCW 0340 and concurrent registration in SOCW 0342.

SOCW 0352 SOCIAL WORK PRACTICUM II (6) This is the second half of the senior year field experience. Prerequisites: Acceptance in Social Work Concentration, SOCW 0351 and concurrent registration in SOCW 0343.

WOMEN'S STUDIES MINOR

The Women's Studies Minor is an interdisciplinary program designed to provide students with the theoretical bases for understanding women's changing roles in society. As an academic discipline it has its own

- distinct subject matter
- research tools
- ways of knowing.

Through selected courses in Women's Studies and other disciplines, the minor

- challenges myths, prejudices, and stereotypes of women as well as men
- studies effects of gender, race, class, ethnicity sexual orientation on worldviews
- examines gender construction in its social, historical and cultural implications
- explores recent scholarship on women, gender and feminist theory
- defines women's achievements in history, art, science and culture
- considers traditional disciplines from a feminist perspective
- integrates experience and knowledge to achieve equity in community

The interdisciplinary nature of the minor accommodates a wide range of student interests. By exposing students to new information about women's issues and developing their analytical skills through reading, writing and speaking, the Women's Studies minor complements all 22 of the College's majors.

The Women's Studies minor prepares students for a variety of careers, including:

- teaching
- service professions
- communication fields
- natural and social sciences
- public and private organizations

Eighteen (18) credits constitute the minor and must include the following:

Required Courses

WSTP 0101	Introduction to Women's Studies	(3)
WSTP 0301	Seminar in Women's Studies	(3)

The remaining 12 credits needed for the minor may be selected from among approved electives, such as:

CRJU 0312	Women and the Law	(3)
EDUC 0300	ST: Women in Education	(3)
ENGL 0326	Literature By and About Women	(3)
ENGL 0388	STW: Women Writers	(3)
LCUL 0200	Latin-American Lit in Translation: Latina Writers	(3)
MCOM 0211	Stereotyping in the Mass Media	(3)
MCOM 0212	Film and Gender	(3)
MOVP 0325	Women and Sport	(3)
PHIL 0333	Seminar in Interdisciplinary Studies: "Women as Thinkers and Theorists"	(3)
POLS 0323	Selected Topics in Political Science: "Women and Politics"	(3)
PSYC 0352	Women and Mental Health	(3)
PSYC 035x	ST: Psychology of Women	(3)
SOCI 0315	Changing Sex Roles in America	(3)
WSTP 0110	Issues in Women's Studies	(1-3)
WSTP 0201	Women in Modern Organizations	(3)
WSTP 0205	Special Topics in Women's Studies	(3)

Other courses may be designated as Women's Studies electives when appropriate. Students interested in the minor can obtain further information and apply for admission to the program by contacting the Coordinator of Women's Studies. Advising is provided by the coordinator and faculty involved with the minor.

COURSES

WSTP 0101 INTRODUCTION TO WOMEN'S STUDIES (3) Introduces and develops the idea of Women's Studies as an approach to intellectual inquiry. Addresses a variety of Women's Studies issues in an interdisciplinary format, generally focusing on women's lives and experiences as illuminated by the social sciences and humanities.

WSTP 0110 ISSUES IN WOMEN'S STUDIES (1-3) This course will address a variety of issues or topics pertinent to Women's Studies, as needed. Topics or issues selected will be determined by research areas or interests of the faculty member or disciplines.

WSTP 0201 WOMEN IN MODERN ORGANIZATIONS (3) An interdisciplinary approach to the policy questions and social tensions created by the entrance of women as full participants in modern organizational life. Attention to the social, political, ethical, and professional problems faced by women in organizations and to the stresses placed on traditional organizational cultures by demands for gender-equal policies. Special emphasis on analyses and strategies aimed at successful critique, problem-solving and professional achievement within such institutions. Topics vary by semester.

WSTP 0205 ST: WOMEN'S STUDIES (3) An in-depth treatment of a limited and/or specialized area within Women's Studies.

WSTP 0301 SEMINAR IN WOMEN'S STUDIES (3) Designed to integrate conceptually and methodologically the major issues addressed by Women's Studies. Each student will complete and present a major research project which demonstrates an understanding of the interdisciplinary nature of women's issues. Prerequisites: WSTP 0101, advanced work in Women's Studies or permission of instructor.

WSTP 0398 INTERNSHIP IN WOMEN'S STUDIES (3-6) Internships in Women's Studies are available for 3 or 6 credits, only 3 of which may be applied to the requirements of the minor. In addition to the field placement, the student is required to keep a daily journal, to be submitted each week, and to write a semester paper. Prerequisites: WSTP 0101, two other courses applicable to the minor, junior or senior status, and a minimum GPA of 2.75.

WSTP 0399 INDEPENDENT STUDY (3) Individual research and independent study related to a particular aspect of Women's Studies that is of special interest. Prerequisite:Permission of instructor.

WESTFIELD STATE COLLEGE BOARD OF TRUSTEES

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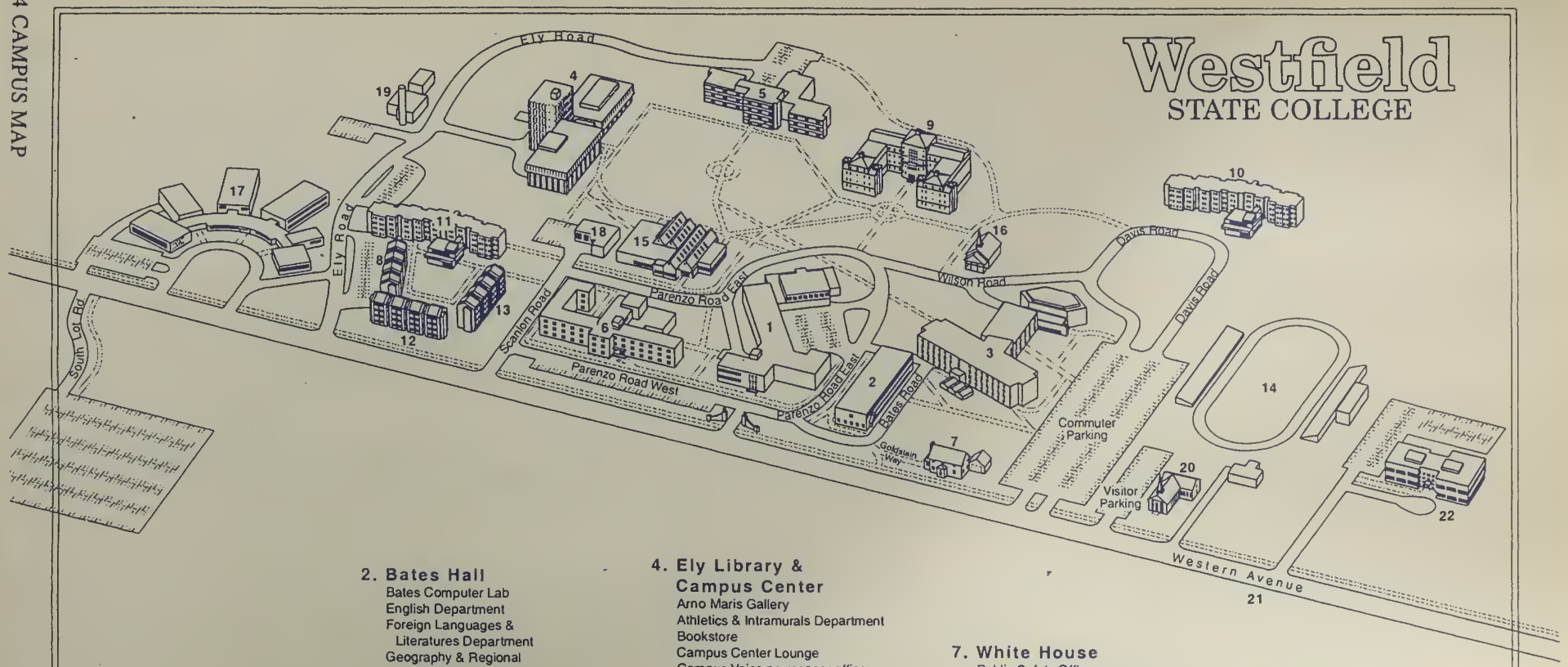

1. Parenzo Hall
- Academic Achievement Center
- Academic Affairs Office
- Art Department
- Conference Services
- Copy Center
- Dever Auditorium
- Education Department
- Facilities & Operations
- Faculty Center for Teaching and Learning
- Gymnasium
- Institutional Research
- Lifelong Learning Office
- Mailroom
- Media and Technical Services
- Movement Science, Sport & Leisure Studies Department
- Political Science Department
- Publications Office
- Reading & Writing Center
- Sociology and Social Work Department
- Switchboard

2. Bates Hall
- Bates Computer Lab
- English Department
- Foreign Languages & Literatures Department
- Geography & Regional Planning Department
- Honors Program, Chair's Office
- History Department
- Music Department

3. Wilson Hall
- Biology Department
- Computer Center
- Computer & Information Science Department
- Disability Services Office and Tutoring Center
- Distance Education Room
- Economics & Management Department
- Liberal Studies Program, Chair's Office
- Mathematics Department
- Minority Affairs Office
- Multicultural Development Office
- Philosophy Department
- Physical Science Department
- Psychology Department
- Student Support Services Office
- Taco Bell Restaurant
- Urban Education Program Office
- Wilson Auditoriums A, B, C

4. Ely Library & Campus Center
- Arno Maris Gallery
- Athletics & Intramurals Department
- Bookstore
- Campus Center Lounge
- Campus Voice newspaper office
- Communication Department
- Commuter Affairs Office
- Indoor Pool
- Judicial Affairs Office
- Library
- Student Affairs Office
- Student Government Association Office
- Studio Theatre
- Subway restaurant
- TV studio
- Tekoa yearbook office
- Third World Organization Office
- Veterans' Affairs Office
- Wellness Center
- WSKB radio station

5. Lammers Hall
- Career Services Office
- Counseling Center

6. Scanlon Hall
- Health Services Office
- Residential Life Office
- Scanlon Banquet Hall
- Scanlon Living Room/Parlor

7. White House
- Public Safety Office (Campus Police and Parking)

Residence Halls
- 5. Lammers Hall
- 6. Scanlon Hall
- 8. Conlin Hall
- 9. Courtney Hall
- 10. Davis Hall
- 11. Dickinson Hall
- 12. Seymour Hall
- 13. Welch Hall

Other Facilities

14. Athletic Field
(Alumni Field, baseball diamond, tennis courts)

15. Dining Commons
(Corner Caf, Private Dining Room)

16. Ferst Interfaith Center

17. Juniper Park School

18. Buildings and Trades Department

19. Physical Plant

20. All-college Visitor Parking at Second Congregational Church

21. Stanley Park

22. 333 Western Avenue
- Alumni Office
- Business and Financial Offices
- Criminal Justice Department
- Development Office
- Equal Opportunity Office
- Graduate and Continuing Education Office
- Human Resources Office
- President's Office
- Public Affairs Office
- Purchasing Office
- Student Administrative Services (Admissions, Bursar, Financial Aid, Records)